ORDER NO. ACED051233C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C8403W

WMA MP3 CD Player/Receiver

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/ Treble)	Bass: ±12dB at 60Hz / Treble: ± 12dB at 16kHz
Equalizer Center Frequency	60, 160, 400, 1k, 3k, 6k, 16k (Hz)
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.2A / (CD mode; 0.5W × 4 -speaker)
Maximum Power Output	50W × 4(at 1kHz)
Speaker Impedance	4 - 8
Pre-amp Output Voltage	5V (CD mode; 1kHz, 0dB)
Subwoofer Output Voltage	5V (CD mode; 1kHz, 0dB)
Pre-amp Output Impedance	60
Subwoofer Output Impedance	60
FM Stereo Radio	
Frequency Range	87.50MHz - 108.00MHz
Usable Sensitivity	6dB/ V (S/N 30dB)
Stereo Separation	35dB (at 1kHz)
AM Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/ V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling

DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20Hz-20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB
Dimensions (W×H×D)**	178×50×155mm
Weight**	1.6 kg

* Specifications and the design are subject to possible modification without notice due to improvements.
** Dimensions and Weight shown are approximate.
** Above specifications comply with EIA standards.

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1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering

iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C)

- This lead free solder will be used for the products after serial No. 1,000,001.

2. FEATUERS

- Hands-Free Phone System (The optional Bluetooth hands-free kit: CY-BT100N).

- Expansion Module (The optional Hub unit: CY-EM100N).

- The optional adapter allows you to connect the optional Panasonic DVD changer unit (CX-DH801N).

- The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880).

- The optional adapter allows you to connect the optional iPod series.

- SQ (Sound Quality).

- SQ7 (7-Band Sound Quality) .

- D.M(Direct Memory).

- Customize the Display (Customize Function).

- MP3/WMA Playback from CD-R/RW.

3. REPLACEING THE FUSE

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

5. NOTES

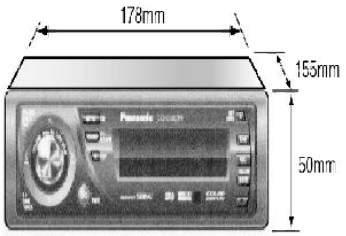
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6. DIMENSIONS



7. LASER PRODUCTS

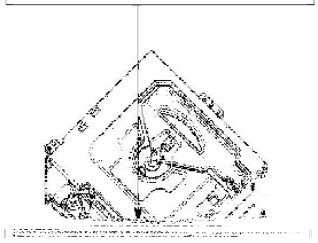
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

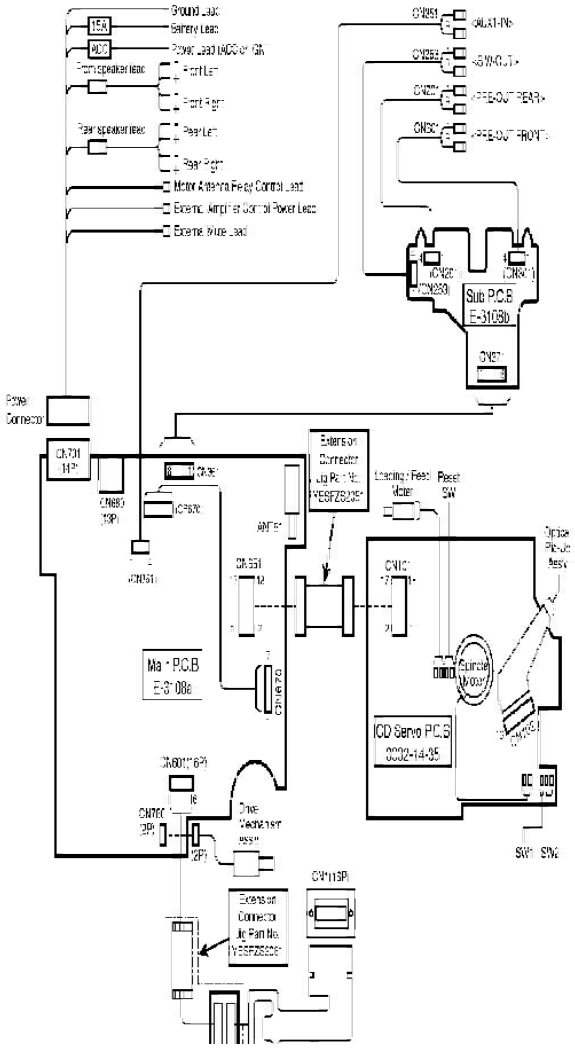
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.

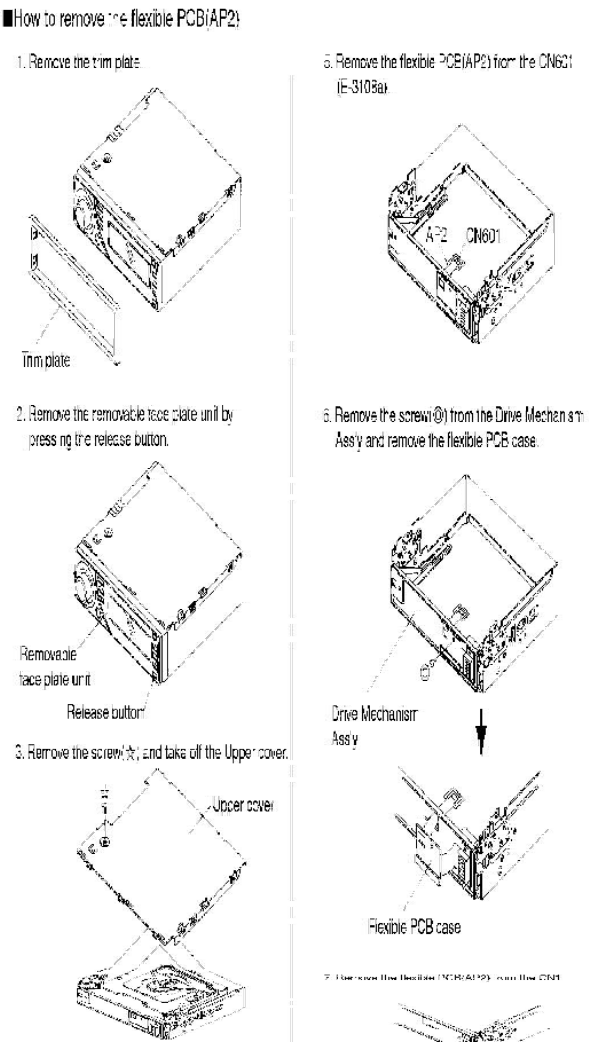


8. WIRING CONNECTION



9. DISASSEMBLY INSTRUCTIONS

9.1. How to Remove the Flexible PCB(AP2)


How to remove the flexible PCB(AP2)
1. Remove the trim plate
Trim plate
2. Remove the removable face plate unit by pressing the release button.
Removable face plate unit
Release button
3. Remove the screw(☆) and take off the Upper cover.
Upper cover
5. Remove the flexible PCB(AP2) from the CN601 (E-3103a).
AP2
CN601
6. Remove the screw(◎) from the Drive Mechanism Assy and remove the flexible PCB case.
Drive Mechanism Assy
Flexible PCB case

9.2. How to Install the Main P.C.B. of the Electric Display

10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : C2CBKG000034

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
1	PANEL OPEN	Panel open detection	I	0	5.2	5.2
2	PANEL CLOSE	Panel close detection	I	0	0	5.2
3	SUBM CNT	3.3V power control for Display	O	5.0	-	-
4	BATT	Battery power check	I	4.8	5.0	5.0
5	ACC	Acc. power check	I	4.8	5.0	5.0
6	SDA	Serial data for electronic volume	I/O	4.9	4.9	4.9
7	SCLK	Serial clock for electronic volume	O	4.9	4.9	4.9
8	CD MUTE	Signal mute from CD deck	I	5.0	5.0	5.0
9	Vss	GND	-	0	0	0
10	ST	FM stereo detection	I	5.1	5.2	5.2
11	PLL DI (MO)	Serial data to PLL	O	0.6	0	0
12	PLL DO (MI)	Serial data from PLL	I	5.2	5.2	5.2
13	PLL CLK	Serial clock for PLL	O	4.9	4.9	4.9
14	PLL CE	Chip enable for PLL	O	0	0	0
15	CD RESET	Reset for CD deck	O	4.9	4.9	4.9
16	SUB SI	Serial data to Display CPU	O	0.6	0.6	0.8
17	CD IN	Disc-in detection	I	5.0	5.0	5.0
18	SUB SO	Serial data from Display CPU	I	4.4	4.4	4.4
19	CH DATA/ UP SO	XM SO/UP SO Serial data from Changer	I	1.6	1.6	1.6
20	CH CLK/ UP CLK	Serial clock for Changer or Flash writer	I	4.9	4.9	4.9
21	Vdd	+5V power supply	-	4.9	4.9	4.9
22	XM SI (MO) / UP SI	Serial data to Satellite or Flash writer	O	0	0	0
23	CD SI (MO)	Serial data to CD deck	O	0	0	0
24	CD SCLK	Serial clock for CD deck	I/O	0	0.4	0
25	CONDENSOR	Capacitor connection for power	-	3.3	3.3	3.3
26	CD SO (MI)	Serial data from CD deck	I	0	0	0

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
27	CH STB	Strobe from Changer	I	0	0	0
28	CH REM OUT	Remote control codes to Changer	O	4.9	4.9	0.4
29	DECK V CONT	Power control for CD deck	O	4.9	4.9	4.9
30	REMO INT	Interrupt for remote control	I	3.7	3.7	3.7
31	CD FS	Frame sync. for CD deck	O	-	-	-
32	Avdd	+5V power supply	-	5.1	5.1	5.1
33	AVREF	+5V power supply	-	5.1	5.1	5.1
34	AVGND	GND	-	0	0	0
35	AVSS	GND	-	0	0	0
36	SD	FM/AM signal level meter	I	0.2	0	0.3
37	INIT A	Model setting A by voltage level	I	0	0	0
38	INIT B	Model setting B by voltage level	I	0	0	0
39	A IN	Spectrum analyzer data	I	0	0	0
40	Vss	GND	-	0	0	0
41	SYS ID1	Hub connection device detection ID 1	I	0	0	0
42	SYS ID2	Hub connection device detection ID 2	I	5.2	5.2	5.2
43	HUB EVENT	Bluetooth incoming detection	I	5.2	5.2	5.2
44	HUB CNT	Request of hub connection check	O	0	0	0
45	CD SW1	Disc detection switch 1	I	0	0	0
46	CD SW2	Disc detection switch 2	I	0	0	0
47	MOD0	Operating mode control 0 from Flash writer	I	5.1	5.1	5.1
48	MOD1	Operating mode control 1: pulled up to H	-	5.1	5.1	5.1
49	MOD2	Operating mode control 2 from Flash writer	I	0	0	0
50	H STANDBY	Standby control from external	I	5.0	5.0	5.0

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
51	DCDC CONT	Not connected	-	-	-	-
52	FP MOTOR1	Open/Close of Front panel 1	O	4.9	5.0	4.9
53	FP MOTOR2	Open/Close of Front panel 2	O	4.9	5.0	4.9
54	V CONT1	Reference voltage control for motor driver	O	0	0	5.0
55	REMO 1	Remote control data	I	5.0	5.0	5.0
56	SA CLK	Spectrum analyzer clock	O	5.0	5.0	4.9
57	EXT MUTE	Pulled up to H	I	5.3	5.2	5.2
58	AMP CONT	Power control for external Amplifier	O	4.9	5.0	4.9
59	BZ OUT	Buzzer signal	O	0	0	0
60	OEL VCONT	Power control for OEL	O	0	0	0
61	WOW MODE1	SRS WOW mode 1 (C8403U only)	O	0	0	0
62	WOW MODE2	SRS WOW mode 2 (C8403U only)	O	0	0	0
63	WOW MODE3	SRS WOW mode 3 (C8403U only)	O	0	0	0
64	DIM1	Not connected	-	-	-	-
65	DIM2	Not connected	-	-	-	-
66	MAIN CNT2	Power control for Hub	O	5.0	5.0	5.0
67	SRC KEY	SOURCE key detection	I	5.0	4.9	5.0
68	PANEL IN	Panel attachment detection	I	-	-	-
69	NC	Not connected	-	-	-	-
70	NC	Not connected	-	-	-	-
71	NC	Not connected	-	-	-	-
72	MAIN CONT	Main power control	O	4.9	4.9	4.9
73	INV CONT	Dimmer power control	O	5.0	5.0	5.0
74	AF MUTE	Audio mute	O	5.0	5.0	5.0
75	RESET	Reset	I	5.0	5.0	5.0
76	FOCUS ELV	Focus elevation for SRS WOW (C8403U only)	O	-	-	-
77	X1A	Oscillator clock	O	2.1	2.1	2.1
78	X0A	Oscillator clock	I	1.6	1.6	1.6
79	Vss	GND	-	0	0	0

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
80	X1	Crystal oscillator clock	I	2.0	2.0	2.0
81	X2	Crystal oscillator clock	O	2.5	2.5	2.5
82	Vdd	+5V power supply	-	5.0	5.0	5.0
83	P00	Pulled down to L	-	0	0	0
84	P01	Pulled up to H	-	5.1	5.0	5.1
85	OFFSET DET	Audio clipping level detection from Power amp.	I	0	0	0
86	STBY	Standby for Power amp.	O	5.0	5.0	5.0
87	MUTE	Mute for Power amp.	O	0	0	0
88	ILL SENS	Pulled up to H	-	5.0	5.0	5.0
89	NC	Not connected	-	-	-	-
90	EP DO(MI)					
91	NC	Not connected	-	-	-	-
92	NC	Not connected	-	-	-	-
93	SUB RESET	Reset for display CPU	O	4.9	5.0	4.9
94	DISPM CONT	5V power control for Display	O	0	0	0
95	NC	Not connected	-	-	-	-
96	NC	Not connected	-	-	-	-
97	NC	Not connected	-	-	-	-
98	S LED	Security LED drive	O	0	0	5.0
99	ANT CONT	Power control for antenna motor	O	5.2	5.2	5.2
100	NC	Not connected	-	-	-	-

10.2. Display Block

IC901 : C2CBKJ000195

Pin No.	Port	Part Name & Description	I/O	(V)
1	NC	Not connected	-	-
2	DCLK SLV4	Slave D-CLK4 (Clock for image data)	I	1.5
3	UART SS4	GND	-	0
4	UART SS3	GND	-	0
5	D DIS	Disable for Anode drive (Disable for image signal)	O	0
6	PADJ IO2	Anode output pulse width adjusting data 2 (Image data)	O	3.8
7	DCLK SLV3	Slave D-CLK 3 (Clock for image data)	I	1.5
8	NC	Not connected	-	-
9	NC	Not connected	-	-
10	NC	Not connected	-	-
11	KS1	Key scan 1	O	0
12	KS2	Key scan 2	O	0
13	KS3	Key scan 3	O	0
14	NC	Not connected	-	-
15	BUS BYTE	GND	-	0
16	CNVSS	CPU rewrite mode/ Single CPU mode selection for Flash writer	I	0
17	IADJ	Anode output current adjusting data (Luminance control)	O	0
18	I CLK	Clock for anode output current adjusting data	O	0
19	RESET	Reset from main CPU	I	4.4
20	X1	Ceramic oscillator clock (8MHz)	O	2.5
21	GND	GND	-	0
22	X0	Ceramic oscillator clock (8MHz)	I	2.2
23	VCC5.0V	Power supply	-	4.6
24	NMI	Pulled up to H	-	4.6
25	Y SYNC	Cathode scan data and Cathode latch control (Vertical sync.)	O	0
26	NC	Not connected	-	-
27	NC	Not connected	-	-

Pin No.	Port	Part Name & Description	I/O	(V)
28	X SYNC	Clock for Cathode scan; or Latch strobe for Anode output pulse width adjusting data and Anode output current adjusting data	O	0
29	A CLK TA	Anode output pulse width adjusting clock	O	2.7
30	NC	Not connected	-	-
31	NC	Not connected	-	-
32	S DIS	Disable for Cathode drive	O	2.4
33	NC	Not connected	-	-
34	NC	Not connected	-	-
35	NC	Not connected	-	-
36	NC	Not connected	-	-
37	NC	Not connected	-	-
38	PADJ IO1/ TXD	Anode output pulse width adjusting data 0 (Image data); or Serial data for Flash writer	O	1.2
39	VCC5.0V	Power supply	-	3.3
40	RXD	Serial data from Flash writer	I	1.3
41	GND	GND	-	0
42	DCLK MST/ SCLK	Master D-CLK (Clock for image data);or Serial clock from Flash writer	O/I	3.3
43	BUSY	Busy for Flash writer	O	1.5
44	OEL OE	OEL output enable	O	0
45	PADJ IO0	Anode output pulse width adjusting data 0 (Image data)	O	1.8
46	DCLK SLV0	Slave D-CLK 0 (Clock for image data)	I	2.7
47	UART SS0	GND	-	0
48	NC	Not connected	-	-
49	FLASH CE	Chip enable for Flash memory	O	1.7
50	NC	Not connected	-	-
51	NC	Not connected	-	-
52	RY/BY	Pulled up to H	-	3.6
53	NC	Not connected	-	-
54	EPM	Program mode enable for Flash writer	I	2.3
55	NC	Not connected	-	-

Pin No.	Port	Part Name & Description	I/O	(V)
56	NC	Not connected	-	-
57	GND	GND	-	0
58	NC	Not connected	-	-
59	VCC3.3V	Power supply	-	3.6
60	NC	Not connected	-	-
61	NC	Not connected	-	-
62	NC	Not connected	-	-
63	FLASH OE	Output enable for Flash memory	O	3.6
64	NC	Not connected	-	-
65	FLASH WE	Write enable for Flash memory	O	3.6
66	NC	Not connected	-	-
67	NC	Not connected	-	-
68	NC	Not connected	-	-
69	NC	Not connected	-	-
70	FLASH A22	A22 in Address bus	O	0
71	FLASH A21	A21 in Address bus	O	3.6
72	FLASH A20	A20 in Address bus	O	3.6
73	FLASH A19	A19 in Address bus	O	0
74	VCC3.3V	Power supply	-	3.6
75	FLASH A18	A18 in Address bus	O	3.6
76	GND	GND	-	0
77	FLASH A17	A17 in Address bus	O	0
78	FLASH A16	A16 in Address bus	O	2.5
79	FLASH A15	A15 in Address bus	O	0
80	FLASH A14	A14 in Address bus	O	0
81	FLASH A13	A13 in Address bus	O	2.5
82	FLASH A12	A12 in Address bus	O	2.5
83	FLASH A11	A11 in Address bus	O	0
84	FLASH A10	A10 in Address bus	O	0
85	FLASH A9	A9 in Address bus	O	0
86	FLASH WP	Write protect/ Accelaration from Flash memory	O	0
87	NC	Not connected	-	-
88	NC	Not connected	-	-
89	NC	Not connected	-	-
90	NC	Not connected	-	-
91	VDD 3.3V	Power supply	-	3.4
92	FLASH A8	A8 in Address bus	O	0
93	GND	GND	-	0
94	FLASH A7	A7 in Address bus	O	0
95	FLASH A6	A6 in Address bus	O	0
96	FLASH A5	A5 in Address bus	O	0.6
97	FLASH A4	A4 in Address bus	O	3.0
98	FLASH A3	A3 in Address bus	O	1.8

Pin No.	Port	Part Name & Description	I/O	(V)
99	FLASH A2	A2 in Address bus	O	1.8
100	FLASH A1	A1 in Address bus	O	1.8
101	FLASH A0	Not connected	-	-
102	FLASH D15	DQ15 in Data bus	I/O	3.1
103	FLASH D14	DQ14 in Data bus	I/O	0.6
104	FLASH D13	DQ13 in Data bus	I/O	0.4
105	FLASH D12	DQ12 in Data bus	I/O	0.4
106	FLASH D11	DQ11 in Data bus	I/O	0.4
107	FLASH D10	DQ10 in Data bus	I/O	0.4
108	FLASH D9	DQ9 in Data bus	I/O	0.7
109	FLASH D8	DQ8 in Data bus	I/O	1.6
110	FLASH D7	DQ7 in Data bus	I/O	1.7
111	FLASH D6	DQ6 in Data bus	I/O	1.6
112	FLASH D5	DQ5 in Data bus	I/O	1.6
113	FLASH D4	DQ4 in Data bus	I/O	1.6
114	FLASH RESET	Reset for Flash memory	O	3.4
115	NC	Not connected	-	-
116	NC	Not connected	-	-
117	NC	Not connected	-	-
118	NC	Not connected	-	-
119	FLASH D3	DQ3 in Data bus	I/O	0
120	FLASH D2	DQ2 in Data bus	I/O	1.8
121	FLASH D1	DQ1 in Data bus	I/O	2.3
122	FLASH D0	DQ0 in Data bus	I/O	2.2
123	NC	Not connected	-	-
124	NC	Not connected	-	-
125	SUB SI	Serial data from main CPU	I	0
126	SUB SO	Serial data to main CPU	O	0.8
127	ROTARY 1	Volume-up detection from Rotary encoder	I	1.8
128	ROTARY 2	Volume-down detection from Rotary encoder	I	4.5
129	A CLK SCLK	Anode output pulse width adjusting clock	I	2.6
130	GND	GND	-	0
131	A CLK	Anode output pulse width adjusting clock	O	0.7
132	VCC5.0V	Power supply	-	4.5
133	KEY RET4	Key return 4	I	0
134	KEY RET3	Key return 3	I	0
135	KEY RET2	Key return 2	I	0
136	KEY RET1	Key return 1	I	0
137	OEL RESET	Reset for OEL	O	4.5

Pin No.	Port	Part Name & Description	I/O	(V)
138	NC	Not connected	-	-
139	NC	Not connected	-	-
140	AD AVSS	GND	-	0
141	TH DETECT	Thermal detection	I	1.7
142	AD VREF	+5V Power supply	-	4.5
143	AD AVCC	+5V Power supply	-	4.5
144	PADJ IO3	Anode output pulse width adjusting data 3 (Image data)	O	1.2

10.3. CD Servo Block

IC101 : YESAM337

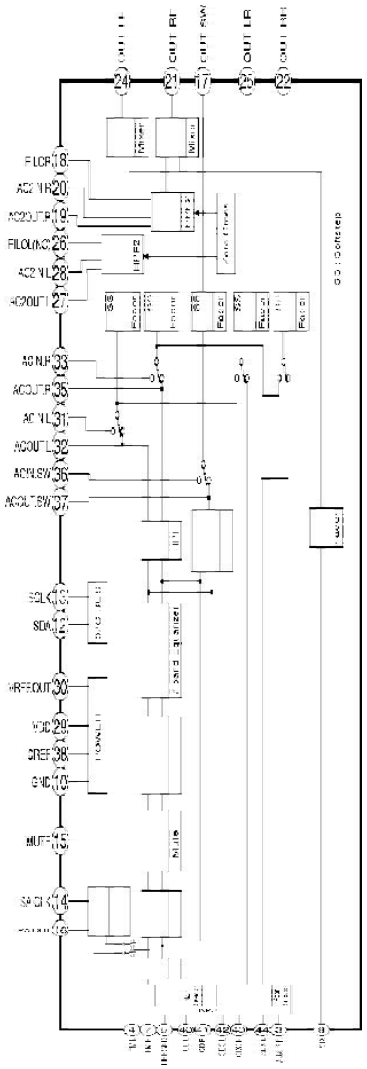
Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	-	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	-	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	-	-	-
10	-	-	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	-	-	-
25	-	-	-	-
26	NMI	-	-	3.2
27	-	-	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2

Pin No.	Port	Descriptions	I/O	(V)
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0
39	CONT (P13)	DSP IC power control 1	O	3.2
40	-	-	-	-
41	-	-	-	-
42	-	-	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46-48	-	-	-	-
49	FLASH CE	-	-	3.2
50-58	-	-	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/AN0	Reference voltage	I	0.3
61	P51/AN0	Loading motor detect	I	2.1
62	P52/AN2	-	-	0
63	P53/AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

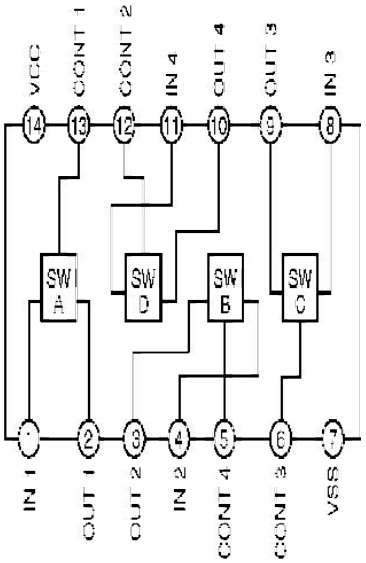
11. IC BLOCK DIAGRAM

11.1. Main Block

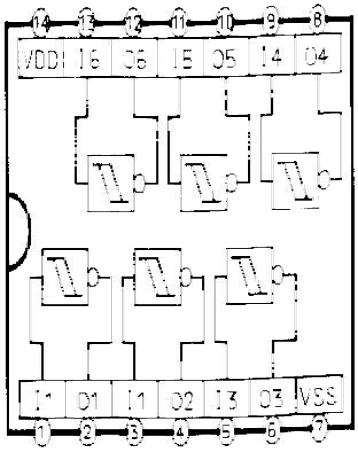
IC201 : C1BB00000796



IC231 : C0JBZS000003

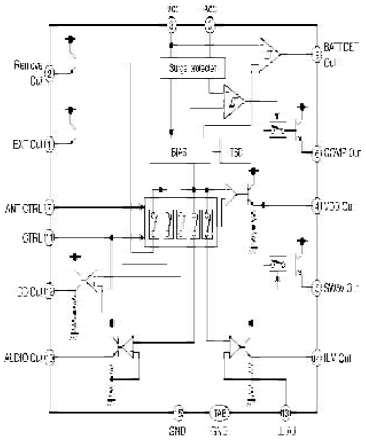


IC670 : C0JBAZ000904

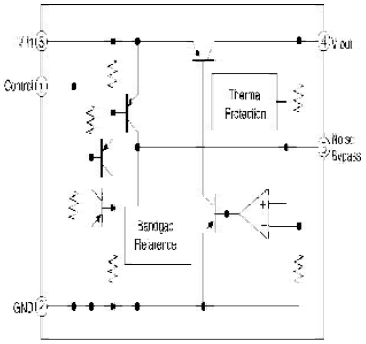


IC730 : C0DAEKG00002

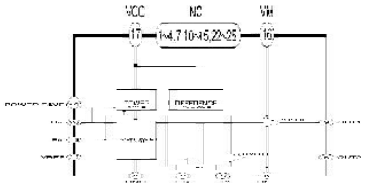
IC701 : C0DAZHF00004



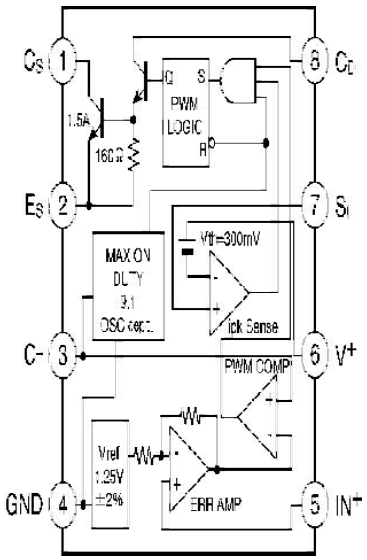
IC755 : C0DBZGD00040



IC760 : C0GBG0000032

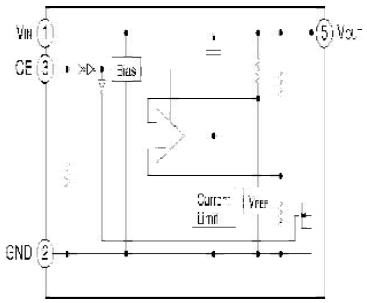


IC770 : C0DBAHG00020



11.2. CD Servo Block

IC401,403 : YESAM341



IC402 : YESAM342

12. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item.**

After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- Order intake period is basically six months after the first shipment.

5. “T” marks in remarks colum are indicated supply parts of PTW.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3108] Main/Sub Block			
IC's AND TRANSISTORs			
IC201	C1BB00000796	IC	T
IC221	C1BB00001131	IC	T
IC231	C0JBZS000003	IC	T
IC251	C0ABBA000221	IC	T
IC252	C0ABCA000121	IC	T
IC271	C1ZAZ0001450	IC	T
IC401	C1BB00001045	IC	T
IC601	C2CBKG000034	IC	T
IC650	C0JBAA000372	IC	T
IC670	C0JBAZ000904	IC	T
IC701	C0DAZHF00004	IC	T
IC702	C0EBZ0000035	IC	T
IC730	C0DAEKG00002	IC	T
IC752	C0CBCBG00012	IC	T
IC755	C0DBZGD00040	IC	T
IC760	C0GBG0000032	IC	T
IC770	C0DBAHG00020	IC	T
IC790	C0CBCYG00004	IC	T
PA51	C5BA00000123	Electronic Tuner	T
Q55	B1GDGFEH0001	Transistor	T
Q56	B1AAEC000002	Transistor	T
Q220	B1GBCFNN0004	Transistor	T
Q235	B1GBHBEA0004	Transistor	T
Q241	B1GBHBEA0004	Transistor	T
Q251	B1GBHBEA0004	Transistor	T
Q252	B1GBHBEA0004	Transistor	T
Q320	B1GBCFNN0004	Transistor	T
Q335	B1GBHBEA0004	Transistor	T
Q341	B1GBHBEA0004	Transistor	T
Q351	B1GBHBEA0004	Transistor	T
Q352	B1GBHBEA0004	Transistor	T
Q353	B1GBHBEA0004	Transistor	T
Q354	B1GDCFJJ0002	Transistor	T
Q371	B1GBCFNN0004	Transistor	T
Q372	B1GBCFJN0004	Transistor	T
Q376	B1GBCFNN0004	Transistor	T
Q411	B1CBGF000005	Transistor	T
Q630	B1GBCFNN0004	Transistor	T
Q633	B1GDCFJJ0002	Transistor	T
Q650	B1GBCFJN0004	Transistor	T
Q651	B1GBCFJN0004	Transistor	T

Ref. No.	Part No.	Part Name & Description	Remarks
Q652	B1GBCFJN0004	Transistor	T
Q680	B1GDGFEH0001	Transistor	T
Q681	B1GDCFJJ0002	Transistor	T
Q701	B1BACF000026	Transistor	T
Q760	B1GBCFNN0004	Transistor	T
Q771	B1ABCF000187	Transistor	T
Q791	B1GBNCEJ0003	Transistor	T
Q793	B1GBCFJN0004	Transistor	T
DIODEs			
D201	B0JCME000012	Diode	T
D202	B0JCME000012	Diode	T
D203	B0JCME000012	Diode	T
D204	B0JCME000012	Diode	T
D251	B0JCMC000004	Diode	T
D301	B0JCME000012	Diode	T
D302	B0JCME000012	Diode	T
D303	B0JCME000012	Diode	T
D304	B0JCME000012	Diode	T
D601	B0JCMC000004	Diode	T
D630	B3AAB0000143	Diode	T
D631	YEADUDZS56BT	Diode	T
D632	MA3X152D0L	Diode	T
D635	YEADUDZS56BT	Diode	T
D636	YEADUDZS56BT	Diode	T
D637	YEADUDZS56BT	Diode	T
D638	YEADUDZS56BT	Diode	T
D639	YEADUDZS56BT	Diode	T
D670	B0JCMC000004	Diode	T
D680	MA3X152A0L	Diode	T
D701	B0BA04700003	Diode	T
D702	MA2Q73600L	Diode	T
D703	B0BC5R7A0062	Diode	T
D704	B0JCMC000004	Diode	T
D705	B0ECKP000002	Diode	T
D706	B0ECKP000002	Diode	T
D707	B0JCPE000004	Diode	T
D708	MA2Q73600L	Diode	T
D710	B0JCMC000004	Diode	T
D715	MA3X152A0L	Diode	T
D716	MA3X72100L	Diode	T
D751	B0ECKP000002	Diode	T
D752	B0ECKP000002	Diode	T
D760	B0BC5R000020	Diode	T
D761	B0BC3R0A0058	Diode	T
D770	B0JCMC000004	Diode	T
D771	B0JCQD000002	Diode	T
D772	B0BC013A0063	Diode	T
CAPACITORs			
C52	F1J1H470A025	Ceramic, 47PF 50WV	T
C53	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C54	F2A1A221A449	Electrolytic, 220 F 10WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C55	F1J1H103A513	Ceramic, 0.01 μF 50WV	T
C56	F3F1E105A001	Tantalum, 1 μF 25WV	T
C57	F2A1A101A450	Electrolytic, 100 μF 10WV	T
C61	F1J1H183A035	Ceramic, 0.018 μF 50WV	T
C62	F1J1H183A035	Ceramic, 0.018 μF 50WV	T
C65	F1J1H1020024	Ceramic, 1000PF 50WV	T
C206	F2A1C100A502	Electrolytic, 10 μF 16WV	T
C213	F1J1A2250004	Ceramic, 2.2 μF 10WV	T
C215	F1J1A2250004	Ceramic, 2.2 μF 10WV	T
C217	F1J1C334A006	Ceramic, 0.33 μF 16WV	T
C220	F1J1C225A138	Ceramic, 2.2 μF 16WV	T
C237	F1J1C225A138	Ceramic, 2.2 μF 16WV	T
C242	F1J1C225A138	Ceramic, 2.2 μF 16WV	T
C251	F1J1C474A006	Ceramic, 0.47 μF 16WV	T
C252	F1J1H470A034	Ceramic, 47PF 50WV	T
C253	F1J1C225A138	Ceramic, 2.2 μF 16WV	T
C254	F1J1C474A006	Ceramic, 0.47 μF 16WV	T
C255	F1J1H470A034	Ceramic, 47PF 50WV	T
C256	F1J1C225A138	Ceramic, 2.2 μF 16WV	T
C271	F1J1H472A675	Ceramic, 4700PF 50WV	T
C272	F1J1H472A675	Ceramic, 4700PF 50WV	T
C274	F2A1C470A630	Electrolytic, 47 μF 16WV	T
C275	F1J1C1050013	Ceramic, 1 μF 16WV	T
C278	F1J1E1040003	Ceramic, 0.1 μF 25WV	T
C279	F2A1C4720027	Electrolytic, 4700 μF 16WV	T
C281	F1K1C1060001	Ceramic, 10 F 16WV	T
C282	F1H1C104A005	Ceramic, 0.1 F 16WV	T
C283	F1K1C1060001	Ceramic, 10 F 16WV	T
C296	F1K1C4740009	Ceramic, 0.47 F 16WV	T
C297	F1K1C4740009	Ceramic, 0.47 F 16WV	T
C306	F2A1C100A502	Electrolytic, 10 F 16WV	T
C313	F1J1A2250004	Ceramic, 2.2 F 10WV	T
C315	F1J1A2250004	Ceramic, 2.2 F 10WV	T
C317	F1J1C334A006	Ceramic, 0.33 F 16WV	T
C320	F1J1C225A138	Ceramic, 2.2 F 16WV	T
C321	F1J1C225A138	Ceramic, 2.2 F 16WV	T
C323	F2A1C100A502	Electrolytic, 10 F 16WV	T
C324	F2A1H2R2A634	Electrolytic, 2.2 F 50WV	T
C325	F2A1H2R2A634	Electrolytic, 2.2 F 50WV	T
C326	F1J1A2250004	Ceramic, 2.2 F 10WV	T
C327	F2A1A221A449	Electrolytic, 220 F 10WV	T
C328	F1J1H103A513	Ceramic, 0.01 F 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C330	F1J1A2250004	Ceramic, 2.2 μ F 10WV	T
C331	F1J1C225A138	Ceramic, 2.2 μ F 16WV	T
C332	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C333	F1H1E103A011	Ceramic, 0.01 μ F 25WV	T
C334	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C335	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C336	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C337	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C338	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C339	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C340	F1J1C1050013	Ceramic, 1 μ F 16WV	T
C341	F1K1C1060001	Ceramic, 10 μ F 16WV	T
C342	F1H1C333A054	Ceramic, 0.033 μ F 16WV	T
C343	F1H1E103A011	Ceramic, 0.01 μ F 25WV	T
C344	F1J1C334A006	Ceramic, 0.33 μ F 16WV	T
C346	F1J1C474A006	Ceramic, 0.47 μ F 16WV	T
C347	F1H1H221A231	Ceramic, 220PF 50WV	T
C351	F1J1C474A006	Ceramic, 0.47 μ F 16WV	T
C352	F1J1H470A034	Ceramic, 47PF 50WV	T
C353	F1J1C225A138	Ceramic, 2.2 μ F 16WV	T
C354	F1J1C474A006	Ceramic, 0.47 μ F 16WV	T
C355	F1J1H470A034	Ceramic, 47PF 50WV	T
C356	F1J1C225A138	Ceramic, 2.2 μ F 16WV	T
C361	F1J1C474A006	Ceramic, 0.47 μ F 16WV	T
C362	F1J1H470A034	Ceramic, 47PF 50WV	T
C363	ECEA1EKS3R3I	Electrolytic, 3.3 F 25WV	T
C364	F2A1C100A502	Electrolytic, 10 F 16WV	T
C365	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C366	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C367	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C368	F2A1C470A630	Electrolytic, 47 F 16WV	T
C371	F1J1H472A675	Ceramic, 4700PF 50WV	T
C372	F1J1H472A675	Ceramic, 4700PF 50WV	T
C374	F2A1H2R20044	Electrolytic, 2.2 F 50WV	T
C375	F2A1C100A502	Electrolytic, 10 F 16WV	T
C378	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C381	F1K1C1060001	Ceramic, 10 F 16WV	T
C382	F1H1C104A005	Ceramic, 0.1 F 16WV	T
C383	F1K1C1060001	Ceramic, 10 F 16WV	T
C384	F2A1A101A450	Electrolytic, 100 F 10WV	T
C385	F1K1C1060001	Ceramic, 10 F 16WV	T
C386	F1K1C1060001	Ceramic, 10 F 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C387	F1K1C1060001	Ceramic, 10 μ F 16WV	T
C388	F1K1C1060001	Ceramic, 10 μ F 16WV	T
C389	F1K1C1060001	Ceramic, 10 μ F 16WV	T
C396	F1K1C4740009	Ceramic, 0.47 μ F 16WV	T
C397	F1K1C4740009	Ceramic, 0.47 μ F 16WV	T
C401	F1J1H120A034	Ceramic, 12PF 50WV	T
C402	F1J1H120A034	Ceramic, 12PF 50WV	T
C403	F2A0J101A500	Electrolytic, 100 μ F 6.3WV	T
C404	F1J1H103A513	Ceramic, 0.01 μ F 50WV	T
C405	F1H1H101A231	Ceramic, 100PF 50WV	T
C411	F1J1H103A513	Ceramic, 0.01 μ F 50WV	T
C412	F1J1E223A002	Ceramic, 0.022 μ F 25WV	T
C413	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C414	F2A1A221A449	Electrolytic, 220 μ F 10WV	T
C601	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C602	F1H1E103A011	Ceramic, 0.01 μ F 25WV	T
C603	F2A0J3310051	Electrolytic, 330 μ F 6.3WV	T
C604	ECA0JM471I	Electrolytic, 470 μ F 6.3WV	T
C605	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C606	F1H1H2200008	Ceramic, 22PF 50WV	T
C607	F1J1H220A025	Ceramic, 22PF 50WV	T
C608	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C609	F1J1A106A023	Ceramic, 10 μ F 10WV	T
C610	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C612	F1H1H120A231	Ceramic, 12PF 50WV	T
C613	F1H1H120A231	Ceramic, 10PF 50WV	T
C631	F2A1H4R7A632	Electrolytic, 4.7 F 50WV	T
C632	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C633	F2A1C470A630	Electrolytic, 47 F 16WV	T
C635	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C650	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C670	F2A1C100A502	Electrolytic, 10 F 16WV	T
C671	F1H1E103A011	Ceramic, 0.01 F 25WV	T
C680	F2A1H2R2A634	Electrolytic, 2.2 F 50WV	T
C701	F1J1C154A006	Ceramic, 0.15 F 16WV	T
C702	F2A1C1020069	Electrolytic, 1000 F 16WV	T
C704	F2A0J3310051	Electrolytic, 330 F 6.3WV	T
C705	F1H1E103A011	Ceramic, 0.01 F 25WV	T
C707	F2A1C1020069	Electrolytic, 1000 F 16WV	T
C708	F2A1H1R00095	Electrolytic, 1 F 50WV	T
C713	F1J1C474A006	Ceramic, 0.47 F 16WV	T
C715	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C716	F1J1C104A005	Ceramic, 0.1 F 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C717	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C718	F1J1E1040003	Ceramic, 0.1 μ F 25WV	T
C719	EEAFC1A820H	Electrolytic, 82 μ F 10WV	T
C720	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C721	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C730	F1K1E334A022	Ceramic, 0.33 μ F 25WV	T
C731	F1K1C334A020	Ceramic, 0.33 μ F 16WV	T
C732	EEAFC1C560H	Electrolytic, 56 μ F 16WV	T
C752	F1J1C334A006	Ceramic, 0.33 μ F 16WV	T
C753	F1J1C334A006	Ceramic, 0.33 μ F 16WV	T
C754	EEAFC0J560H	Electrolytic, 56 μ F 6.3WV	T
C755	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C756	F1J1C1050013	Ceramic, 1 μ F 16WV	T
C757	F1H1E103A011	Ceramic, 0.01 μ F 25WV	T
C758	F2A0J470A558	Electrolytic, 47 μ F 6.3WV	T
C760	F1H1E103A011	Ceramic, 0.01 μ F 25WV	T
C761	F1J1E1040003	Ceramic, 0.1 μ F 25WV	T
C762	F2A1C470A630	Electrolytic, 47 μ F 16WV	T
C763	F1J1E1040003	Ceramic, 0.1 μ F 25WV	T
C771	F2A1C1010089	Electrolytic, 100 μ F 16WV	T
C772	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C773	F1J1H271A025	Ceramic, 270PF 50WV	T
C774	EEEFK1E101P	Electrolytic, 100 μ F 25WV	T
C775	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C776	F2A1E101A575	Electrolytic, 100 F 25WV	T
C777	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C778	F2A1C100A502	Electrolytic, 10 F 16WV	T
C791	EEAFC1C560H	Electrolytic, 56 F 16WV	T
C792	F1K1C334A020	Ceramic, 0.33 F 16WV	T
C793	F1J1E334A009	Ceramic, 0.33 F 25WV	T
C796	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C797	F1J1C104A005	Ceramic, 0.1 F 16WV	T
RESISTORs			
J202	YEAJ6ST10	TUBE	T
J301	W6NL	0	T
J302	W6NL	0	T
J303	YEAJ6ST15	TUBE	T
J401	ERJ6GEY0R00V	Chip, 0 1/10W	T
J403	ERJ8GEY0R00V	Chip, 0 1/8W	T
J404	ERJ6GEY0R00V	Chip, 0 1/10W	T
J474	ERJ8GX0R00V	Chip, 0 1/8W	T

Ref. No.	Part No.	Part Name & Description	Remarks
J475	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J476	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J477	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J478	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J479	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J480	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J481	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J482	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J483	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J501	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J502	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J503	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J504	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J505	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J506	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J507	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J508	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J509	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J510	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J511	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J512	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J513	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J514	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J515	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J516	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J523	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J524	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J525	ERJ8GX0R00V	Chip, 0 1/8W	T
J526	ERJ8GX0R00V	Chip, 0 1/8W	T
J529	ERJ8GX0R00V	Chip, 0 1/8W	T
J531	ERJ8GX0R00V	Chip, 0 1/8W	T
J534	ERJ8GX0R00V	Chip, 0 1/8W	T
J536	ERJ8GX0R00V	Chip, 0 1/8W	T
J537	ERJ8GX0R00V	Chip, 0 1/8W	T
J538	ERJ8GX0R00V	Chip, 0 1/8W	T
J539	ERJ8GX0R00V	Chip, 0 1/8W	T
J540	ERJ8GX0R00V	Chip, 0 1/8W	T
J542	ERJ8GX0R00V	Chip, 0 1/8W	T
J544	ERJ8GX0R00V	Chip, 0 1/8W	T
J545	ERJ8GX0R00V	Chip, 0 1/8W	T
J546	ERJ8GX0R00V	Chip, 0 1/8W	T
J550	ERJ8GX0R00V	Chip, 0 1/8W	T
J551	ERJ8GX0R00V	Chip, 0 1/8W	T
J552	ERJ8GX0R00V	Chip, 0 1/8W	T
J553	ERJ8GX0R00V	Chip, 0 1/8W	T
J554	ERJ8GX0R00V	Chip, 0 1/8W	T
J555	ERJ8GEY0R00V	Chip, 0 1/8W	T

Ref. No.	Part No.	Part Name & Description	Remarks
J556	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J557	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J560	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J561	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J563	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J565	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J570	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J571	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J573	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J579	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J580	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
J581	W6NL	0Ω	T
J582	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J583	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J590	ERJ8GEY0R00V	Chip, 0Ω 1/8W	T
J591	ERJ6GEY0R00V	Chip, 0Ω 1/10W	T
J592	ERJ8GX0R00V	Chip, 0Ω 1/8W	T
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	T
R54	ERJ6GEYJ101V	Chip, 100Ω 1/10W	T
R55	ERJ6GEYJ331V	Chip, 330Ω 1/10W	T
R56	ERJ6GEYJ102V	Chip, 1kΩ 1/10W	T
R59	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	T
R65	ERJ6GEYJ393V	Chip, 39kΩ 1/10W	T
R202	ERJ6GEYJ152V	Chip, 1.5kΩ 1/10W	T
R203	ERJ6GEYJ103V	Chip, 10kΩ 1/10W	T
R213	ERJ6GEYJ562V	Chip, 5.6kΩ 1/10W	T
R214	ERJ6GEYJ103V	Chip, 10kΩ 1/10W	T
R215	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R216	ERJ3GEYJ123V	Chip, 12k 1/16W	T
R217	ERJ3GEYJ183V	Chip, 18k 1/16W	T
R220	ERJ3GEYJ750V	Chip, 75 1/16W	T
R221	ERJ3GEYJ153V	Chip, 15k 1/16W	T
R235	ERJ3GEYJ183V	Chip, 100k 1/16W	T
R237	ERJ3GEYJ271V	Chip, 270 1/16W	T
R241	ERJ3GEYJ183V	Chip, 100k 1/16W	T
R242	ERJ3GEYJ271V	Chip, 270 1/16W	T
R251	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R252	ERJ3GEYJ393V	Chip, 39k 1/16W	T
R253	ERJ3GEYJ433V	Chip, 43k 1/16W	T
R254	ERJ3GEYJ560V	Chip, 56 1/16W	T
R255	ERJ3GEYJ183V	Chip, 100k 1/16W	T
R256	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R257	ERJ3GEYJ393V	Chip, 39k 1/16W	T
R258	ERJ3GEYJ433V	Chip, 43k 1/16W	T
R259	ERJ3GEYJ560V	Chip, 56 1/16W	T
R260	ERJ6GEYJ183V	Chip, 100k 1/10W	T
R275	ERJ8GEYJ223V	Chip, 22k 1/8W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R281	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R282	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R283	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R284	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R285	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	T
R286	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R291	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R296	ERJ6GEYJ271V	Chip, 270 Ω 1/10W	T
R297	ERJ6GEYJ271V	Chip, 270 Ω 1/10W	T
R298	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	T
R302	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	T
R303	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R313	ERJ6GEYJ562V	Chip, 5.6k Ω 1/10W	T
R314	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R315	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R316	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	T
R317	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	T
R320	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	T
R321	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	T
R323	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R324	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R325	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R326	ERJ6GEYJ101V	Chip, 100 Ω 1/10W	T
R327	ERJ6GEYJ823V	Chip, 82k Ω 1/10W	T
R330	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	T
R335	ERJ3GEYJ183V	Chip, 100k Ω 1/16W	T
R336	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	T
R341	ERJ3GEYJ183V	Chip, 100k 1/16W	T
R342	ERJ3GEYJ271V	Chip, 270 1/16W	T
R351	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R352	ERJ3GEYJ393V	Chip, 39k 1/16W	T
R353	ERJ3GEYJ433V	Chip, 43k 1/16W	T
R354	ERJ3GEYJ560V	Chip, 56 1/16W	T
R355	ERJ3GEYJ183V	Chip, 100k 1/16W	T
R356	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R357	ERJ3GEYJ393V	Chip, 39k 1/16W	T
R358	ERJ3GEYJ433V	Chip, 43k 1/16W	T
R359	ERJ3GEYJ560V	Chip, 56 1/16W	T
R360	ERJ3GEYJ183V	Chip, 100k 1/16W	T
R361	ERJ6GEYJ104V	Chip, 100k 1/10W	T
R362	ERJ6GEYJ393V	Chip, 39k 1/10W	T
R363	ERJ6GEYJ393V	Chip, 39k 1/10W	T
R364	ERJ6GEYJ560V	Chip, 56 1/10W	T
R365	ERJ6GEYJ183V	Chip, 100k 1/10W	T
R366	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R367	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R368	ERJ3GEYJ563V	Chip, 56k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R369	ERJ3GEYJ133V	Chip, 13k Ω 1/16W	T
R370	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	T
R371	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	T
R372	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R373	ERJ6GEYJ183V	Chip, 18k Ω 1/10W	T
R374	ERJ3GEYJ164V	Chip, 160k Ω 1/16W	T
R375	ERJ6GEYJ562V	Chip, 5.6k Ω 1/10W	T
R376	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R377	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R378	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R379	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R381	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R382	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R383	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R384	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R385	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	T
R386	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R387	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R388	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R389	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R390	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R391	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R392	ERJ6GEYJ104V	Chip, 100k Ω 1/10W	T
R393	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R396	ERJ6GEYJ271V	Chip, 270 Ω 1/10W	T
R397	ERJ6GEYJ271V	Chip, 270 Ω 1/10W	T
R398	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	T
R401	ERJ3GEYJ152V	Chip, 1.5k 1/16W	T
R402	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R403	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R404	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R405	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R406	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R407	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R408	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R409	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R410	ERJ3GEY0R00V	Chip, 0 1/16W	T
R411	ERJ3GEY0R00V	Chip, 0 1/16W	T
R413	ERJ6GEYJ182V	Chip, 1.8k 1/10W	T
R414	ERJ8GEYJ561V	Chip, 560 1/8W	T
R417	ERJ3GEYJ100V	Chip, 10 1/16W	T
R600	ERJ8GX0R00V	Chip, 0 1/8W	T
R601	ERJ3GEYJ432V	Chip, 4.3k 1/16W	T
R602	ERJ3GEYJ432V	Chip, 4.3k 1/16W	T
R603	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R604	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R605	ERJ3GEYJ102V	Chip, 1k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R607	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	T
R608	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	T
R609	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R611	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R613	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R614	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R615	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R616	ERJ3GEYJ684V	Chip, 680k Ω 1/16W	T
R617	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R618	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	T
R619	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R620	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R621	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R622	ERJ6GEYJ473V	Chip, 47k Ω 1/10W	T
R624	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R625	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R626	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R627	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R628	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R629	ERJ8GEYJ104V	Chip, 100k Ω 1/8W	T
R631	ERJ6GEYJ821V	Chip, 820 Ω 1/10W	T
R632	ERJ6GEYJ473V	Chip, 47k Ω 1/10W	T
R634	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R639	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R640	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R641	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R645	ERJ3GEY0R00V	Chip, 0 1/16W	T
R646	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R653	ERJ3GEYJ512V	Chip, 5.1k 1/16W	T
R654	ERJ6GEYJ512V	Chip, 5.1k 1/10W	T
R655	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R656	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R657	ERJ3GEYJ272V	Chip, 2.7k 1/16W	T
R658	ERJ6GEYJ473V	Chip, 47k 1/10W	T
R659	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R660	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R661	ERJ6GEYJ473V	Chip, 47k 1/10W	T
R662	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R663	ERJ6GEYJ512V	Chip, 5.1k 1/10W	T
R664	ERJ6GEYJ512V	Chip, 5.1k 1/10W	T
R670	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R671	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R673	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R674	ERJ3GEYJ272V	Chip, 2.7k 1/16W	T
R675	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R676	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R677	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R678	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R680	ERJ6GEYJ271V	Chip, 270 Ω 1/10W	T
R681	ERJ6GEYJ562V	Chip, 5.6k Ω 1/10W	T
R682	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R683	ERJ3GEYJ471V	Chip, 470 Ω 1/16W	T
R684	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R685	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	T
R686	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	T
R687	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R688	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R689	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	T
R690	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	T
R701	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R702	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	T
R703	ERJ6GEYJ473V	Chip, 47k Ω 1/10W	T
R704	ERJ8GEYJ4R7V	Chip, 4.7 Ω 1/8W	T
R705	ERJ6GEYJ682V	Chip, 6.8k Ω 1/10W	T
R715	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R716	ERJ6GEYJ473V	Chip, 47k Ω 1/10W	T
R717	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	T
R719	ERJ3GEYJ684V	Chip, 680k Ω 1/16W	T
R722	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R732	ERJ6ENF1802V	Chip, 18k Ω 1/10W	T
R733	ERJ6ENF1303V	Chip, 130k Ω 1/10W	T
R734	ERJ6ENF2201V	Chip, 2.2k Ω 1/10W	T
R755	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R760	ERJ6GEYJ152V	Chip, 1.5k 1/10W	T
R761	ERDS1FJ3R9T	Carbon, 3.9 1/2W	T
R771	D0GFR47JA016	Metal Film, 0.47 1/2W	T
R772	ERJ3GEYJ181V	Chip, 180 1/16W	T
R773	ERJ6ENF7501V	Chip, 7.5k 1/10W	T
R774	ERJ6ENF7150V	Chip, 715 1/10W	T
R776	ERJ6GEYJ561V	Chip, 560 1/10W	T
R777	ERJ8GX0R00V	Chip, 0 1/8W	T
R778	ERJ8GEYJ1R0V	Chip, 1 1/8W	T
R780	ERJ8GEYJ470V	Chip, 47 1/8W	T
R790	ERJ3GEYJ223V	Chip, 22k 1/16W	T
R791	ERJ6GEYJ223V	Chip, 22k 1/10W	T
R795	ERJ6ENF1002V	Chip, 10k 1/10W	T
R796	ERJ6ENF2703V	Chip, 270k 1/10W	T
R797	ERJ6ENF2001V	Chip, 2k 1/10W	T
CONNECTORs			
CN201	K2KF29Z00040	Plug, 4P	T
CN253	K2KF29Z00036	Plug, 4P	T
CN301	K2KF29Z00039	Plug, 4P	T

Ref. No.	Part No.	Part Name & Description	Remarks
CN351	K2KF29Z00033	Plug, 4P	T
CN361	K1KA08A00015	Connector, 8P	T
CN371	K1KB08B00005	Connector, 8P	T
CN601	K1MN16BA0111	Connector, 16P	T
CN651	K1KA18A00074	Connector, 18P	T
CN670	K1PQ07A00005	Connector, 7P	T
CN680	K1AA113B0002	Connector, 13P	T
CN701	K1FA116B0028	Connector, 16P	T
CN760	K1KA02A00066	Connector, 2P	T
COILs			
L50	G1C150K00011	Coil	T
L52	G1CR56JA0036	Coil	T
L53	G1C101JA0036	Coil	T
L401	G1C101JA0036	Coil	T
L601	G1C330JA0036	Coil	T
L602	G1C101JA0036	Coil	T
L603	G1C330JA0036	Coil	T
L630	G0C330K00004	RF Coil	T
L631	G1C270JA0036	Coil	T
L701	J0JKA0000003	Coil	T
L702	G0A151J00006	Coil	T
L770	G0C101KA0120	RF Coil	T
L771	G1C331MA0226	Coil	T
L772	G0C101KA0120	RF Coil	T
SWITCHes			
SW601	K0L1BA000099	Switch	T
SW602	K0L1BA000104	Switch	T
CRYSTALs			
XL401	H0D720400006	Crystal Oscillator	T
XL601	H0D368400015	Crystal Oscillator	T
XL602	H0J327200161	Crystal Oscillator	T
NETWORK RESISTORs			
R606	EXBV8V102JV	Network Resistor	T
FILTERs			
CF51	J0E8405A0002	NOISE FILTER	T
Z50	J0LM00000001	Noise Filter	T
THERMISTORs			
PT701	D4DA74R70003	Thermistor	T
[E9781] Display Block			
IC's AND TRANSISTORs			
IC901	C2CBKJ000195	IC	T
IC902	C3FBPZ000001	IC	T

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D901	YEADUDZS56BT	Diode	T
D902	YEADUDZS56BT	Diode	T
D903	YEADUDZS56BT	Diode	T
D904	YEADUDZS56BT	Diode	T
D905	B3AEB0000083	Diode	T
D906	MAZ81800ML	Diode	T
D907	YEADUDZS56BT	Diode	T
D908	B0BC4R000006	Diode	T
D909	YEADUDZS56BT	Diode	T
D910	B3AEB0000083	Diode	T
D911	B3AEB0000083	Diode	T
D912	YEADUDZS56BT	Diode	T
D913	B3AEB0000083	Diode	T
D914	B3AEB0000083	Diode	T
D915	B3AEB0000083	Diode	T
D916	B3AEB0000083	Diode	T
D917	B3AEB0000083	Diode	T
D918	B3AEB0000083	Diode	T
D919	B3AEB0000083	Diode	T
D920	B3AEB0000083	Diode	T
D921	B3AEB0000083	Diode	T
D923	YEADUDZS56BT	Diode	T
D924	YEADUDZS56BT	Diode	T
D925	YEADUDZS56BT	Diode	T
D926	YEADUDZS56BT	Diode	T
D927	YEADUDZS56BT	Diode	T
D928	YEADUDZS56BT	Diode	T
D929	YEADUDZS56BT	Diode	T
D930	YEADUDZS56BT	Diode	T
D931	MA2J72900L	Diode	T
D932	MA2J72900L	Diode	T
IC903	B3RAB0000054	Diode	
CAPACITORs			
C901	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C902	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C903	F1J1H102A672	Ceramic, 1000PF 50WV	T
C904	F1H1C104A005	Ceramic, 0.1 F 16WV	T
C905	F1H1H101A231	Ceramic, 100PF 50WV	T
C906	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C907	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C908	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C909	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C910	F1H1C104A005	Ceramic, 0.1 F 16WV	T
C911	F1H1H101A231	Ceramic, 100PF 50WV	T
C912	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C913	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C914	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T

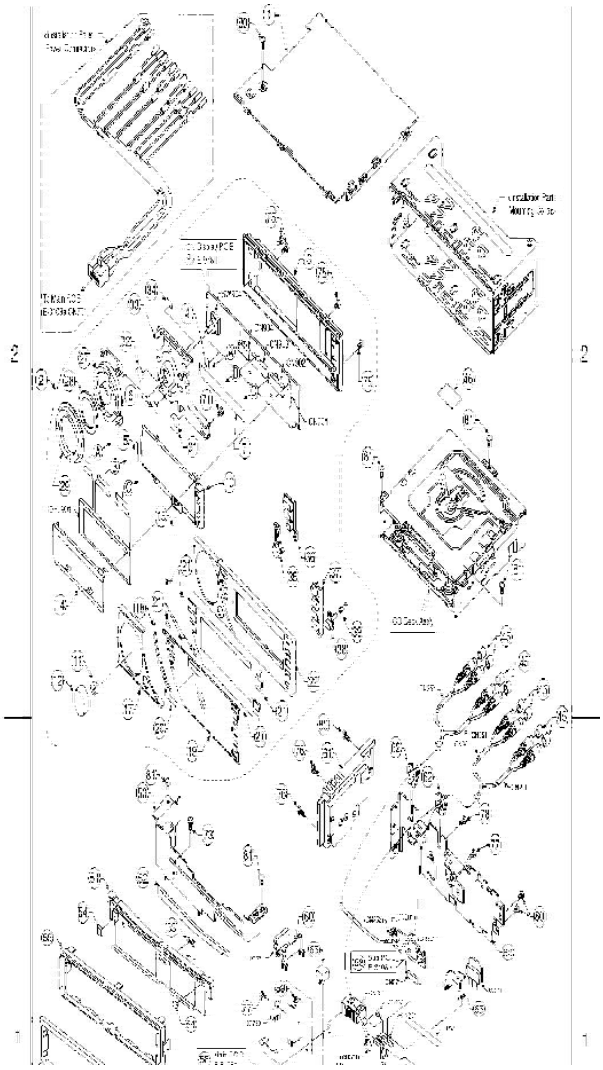
Ref. No.	Part No.	Part Name & Description	Remarks
C915	F1H1H101A231	Ceramic, 100PF 50WV	T
C916	F1H1H101A231	Ceramic, 100PF 50WV	T
C917	F1J1C1050029	Ceramic, 1 μ F 16WV	T
C918	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C919	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C920	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C921	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C922	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C923	F1K1A106A008	Ceramic, 10 μ F 10WV	T
C924	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C925	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C926	F1K1A106A008	Ceramic, 10 μ F 10WV	T
C927	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C928	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C929	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
RESISTORs			
R901	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	T
R902	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R903	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R904	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R905	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R906	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R907	ERJ3GEYJ821V	Chip, 820 Ω 1/16W	T
R908	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R909	ERJ3GEYJ101V	Chip, 100 1/16W	T
R910	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R911	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R912	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R913	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R914	ERJ3GEYJ333V	Chip, 33k 1/16W	T
R916	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R917	ERJ3GEYJ271V	Chip, 270 1/16W	T
R918	ERJ3GEYJ271V	Chip, 270 1/16W	T
R919	ERJ3GEYJ271V	Chip, 270 1/16W	T
R920	ERJ3GEYJ271V	Chip, 270 1/16W	T
R921	ERJ3GEYJ471V	Chip, 470 1/16W	T
R922	ERJ3GEYJ101V	Chip, 100 1/16W	T
R923	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R924	ERJ3GEYJ333V	Chip, 33k 1/16W	T
R925	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R926	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R927	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R928	ERJ3GEYJ472V	Chip, 4.7k 1/16W	T
R929	ERJ3GEYJ473V	Chip, 47k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R930	ERJ3GEYJ274V	Chip, 270k Ω 1/16W	T
R931	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R932	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R933	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R934	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R936	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R939	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	T
R940	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R941	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	T
R942	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	T
R943	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R944	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R945	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R949	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	T
R950	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R951	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R952	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	T
R953	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	T
R956	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R957	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R958	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R959	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R960	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R961	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R962	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	T
CONNECTORs			
CN901	K1NZ16D00001	Connector, 16P	T
CN902	K1MN34BA0109	Connector, 34P	T
CN903	K1MN34BA0109	Connector, 34P	T
CN904	K1MN19BA0110	Connector, 19P	T
COILs			
FL1	J0JCC0000118	Coil	T
SWITCHes			
SW901	K0H1BA000445	Switch	T
SW902	K0H1BA000445	Switch	T
SW903	K0H1BA000445	Switch	T
SW904	K9AA024A0013	Switch	T
SW905	K0H1BA000445	Switch	T
SW906	K0H1BA000445	Switch	T
SW907	K0H1BA000445	Switch	T
SW908	K0H1BA000445	Switch	T
SW909	K0H1BA000445	Switch	T
SW910	K0H1BA000445	Switch	T
SW911	K0H1BA000445	Switch	T
SW912	K0H1BA000445	Switch	T
SW913	K0H1BA000445	Switch	T

Ref. No.	Part No.	Part Name & Description	Remarks
CRYSTALs			
X1	H2D800400017	Ceramic Oscillator	T
NETWORK RESISTORs			
RA901	D1H847340001	Network Resistor	T
RA902	D1H822140004	Network Resistor	T
RA903	D1H822140004	Network Resistor	T
RA904	D1H822140004	Network Resistor	T
RA905	D1H822140004	Network Resistor	T
THERMISTORs			
TH901	D4CC14730002	Thermistor	T
Accessories			
PRINTINGs			
	YEFM285774	Operating Instructions	T
	YEFM262696	System Upgrade Guidebook	T
	YEFM294142	Installation Instructions	T
INSTALLATION PARTS			
	EUR7641010	Remote Control Unit (includes a battery)	T
	CR2025/1F	Lithium Battery	T,
	YGAJ021011	Power Connector	T
	YEFX0217314	Mounting Collar	T
	YEFC051013	Trim Plate	
	YEP0FZ5739	Installation Kit (Lock Cancel Plate, Mounting Bolt, Tapping Screw, Hex Nut)	T
	YEFG04026	Rear Support Strap	T
	YEFA134145	Removable Face Plate Case	T
Mechanical Parts			
MISCELLANEOUS			
ANT51	YEAA10090	Antenna Receptacle	T
AP2	YGAP2985	FPC	T
AT1-3	K4ZZ01000048	Terminal	T
CN1	K1NZ16H00002	Connector, 16P	T
HP1	K4ZZ01000043	Terminal	T
HP2	K4ZZ01000044	Terminal	T
OEL901	L5HAZ8B00001	El Plate	T
1	YEFA031898A	Upper Cover	T
2	YEP0FX13410	Removable Face Plate Unit	T, RTL
3	YEFA134121	Back Cover, Detachable	
4	YEFX9995948	Optical Shade	T
5	YGP0PT9781V9	Display PCB w/Component	T, RTL
7	YEFV012614	Insulator	T
10	YEFK061409	OEL Holder	T
11	YFX054C073CA	Spring	T

Ref. No.	Part No.	Part Name & Description	Remarks
12	YEFE071005	Knob, Vol	
14	YEFX0217432	Case, OEL901	T
15	YEFX9995949	Double Face Tape	T
17	YEFJ013132	Decoration Board L	T
18	YEFX0013230	Indicator, Arc	T
19	YEFJ013125	Acryl Panel	T
20	YEFN07041	Panasonic Badge	T
21	YEFM991740	Double Face Tape	T
22	YEFC0266360	Front Cover	T
27	YEFE1310578	Button, TUNE/TRACK Base	
28	YEFJ013047	Vol Plate B	T
29	YEFE1310577	Button, TUNE/TRACK Cap	
31	YEFK061410	Shading Cover	
32	YEFV023500	Optical Shade	T
33	YEFX0013229	Transparent Plate	
34	YEFV023501	Optical Shade	T
35	YEFE1310573	Button, SRC	
36	YEFE1310574	Button, MENU, BAND, D	
37	YEFE1310723	Button, EJ/D-M/SQ/MUTE	
38	YEFE1310579	Button, Release	
39	YEFX0053122	Spring	T
45	YFR044C013ZA	Cap	T
46	YFM024C525CA	Laser Seal	T
50	YEFA07669	Front Plate	T
51	YEFC0266429	Rear Cover, Escutcheon	T
52	YEFS022538	Pad	T
53	YEFX0013249	Transparent Plate, Escutcheon	T
54	YEFS012500	Pad, Escutcheon	T
55	YEFC0266428	Front Cover, Escutcheon	T
56	YEFA134132	Flexible PCB Case	T
57	YEP9FX352	Drive, Mechanical Assy	T
58	YGP0PT3108X9	Main/Sub PCB W/Component	T, RTL
59	YEFX0216269	Bracket, IC730	T
60	YEFX0213945B	Bracket, IC271	T
61	YEFF012035	Heat Sink	T
62	YEFX007685	Clamper	T
63	YEFA081009	Rear Plate	T
65	YEFX0217229	Bracket, IC701	T
66	YEFV034018	Magnetic Shield, Main	T
70	YEJS06404A	Binding Screw	T
71	XTB2+6GFJ	Tapping Screw	T
73	YEJT03333A	Tapping Screw	T
74	XQN2+C4FJK	Machin Screw	T
75	XQN2+BG8FJK	Machin Screw	T
76	XSB3+14FJ	Binding Screw	T
77	XSB3+6FJ	Binding Screw	T
78	XSB26+8FJ	Binding Screw	T
80	XTB3+6FFJ	Tapping Screw	T
81	XTB26+6FFJ	Tapping Screw	T

13. EXPLODED VIEW (Unit)



14. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-35] CD Servo Block			
IC's and TRANSISTORs			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
Q202	B1GDCFJJ0008	Transistor	
Q203	YESAN116	Transistor	
Q204	YESAN116	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 μ F 25WV	
C102	YESCC439	Ceramic, 0.1 F 25WV	
C103	YESCC439	Ceramic, 0.1 F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 F 25WV	
C202	YESCC448	Ceramic, 0.033 F 25WV	
C203	YESCC439	Ceramic, 0.1 F 25WV	
C204	YESCC439	Ceramic, 0.1 F 25WV	
C205	YESCC439	Ceramic, 0.1 F 25WV	
C206	YESCC439	Ceramic, 0.1 F 25WV	
C207	YESCC439	Ceramic, 0.1 F 25WV	
C208	YESCC439	Ceramic, 0.1 F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	
C210	YESCC439	Ceramic, 0.1 F 25WV	
C211	YESCC439	Ceramic, 0.1 F 25WV	
C212	YESCC439	Ceramic, 0.1 F 25WV	
C213	YESCC439	Ceramic, 0.1 F 25WV	
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 F 50WV	
C216	YESCC442	Ceramic, 0.01 F 50WV	
C218	YESCC442	Ceramic, 0.01 F 50WV	
C219	YESCC525	Ceramic, 0.047 F 50WV	
C220	YESCC439	Ceramic, 0.1 F 25WV	
C221	YESCC442	Ceramic, 0.01 F 50WV	
C222	YESCC439	Ceramic, 0.1 F 25WV	
C223	YESCC444	Ceramic, 0.015 F 50WV	
C224	YESCC439	Ceramic, 0.1 F 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 F 25WV	
C227	YESCC439	Ceramic, 0.1 F 25WV	
C228	YESCC439	Ceramic, 0.1 F 25WV	
C229	YESCC439	Ceramic, 0.1 F 25WV	
C230	YESCC442	Ceramic, 0.01 F 50WV	
C231	YESCC442	Ceramic, 0.01 F 50WV	
C232	YESCC388	Electrolytic, 100uF 16WV	
C233	YESCC388	Electrolytic, 100uF 16WV	
C234	YESCC439	Ceramic, 0.1 F 25WV	
C235	YESCC442	Ceramic, 0.01 F 50WV	
C236	YESCC439	Ceramic, 0.1 F 25WV	
C237	YESCC432	Ceramic, 220pF 50WV	
C238	YESCC432	Ceramic, 220pF 50WV	
C241	YESCC521	Ceramic, 680pF 50WV	
C242	YESCC521	Ceramic, 680pF 50WV	
C251	YESCC459	Electrolytic, 47 F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C258	YESCC391	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 F 25WV	
C261	YESCC439	Ceramic, 0.1 F 25WV	
C263	YESCC439	Ceramic, 0.1 F 25WV	
C264	YESCC524	Ceramic, 0.033 F 50WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 F 25WV	
C305	YESCC450	Ceramic, 0.047 F 25WV	
C306	YESCC439	Ceramic, 0.1 F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	
C401	YESCC452	Ceramic, 1 F 16WV	
C403	YESCC453	Ceramic, 0.47 F 25WV	

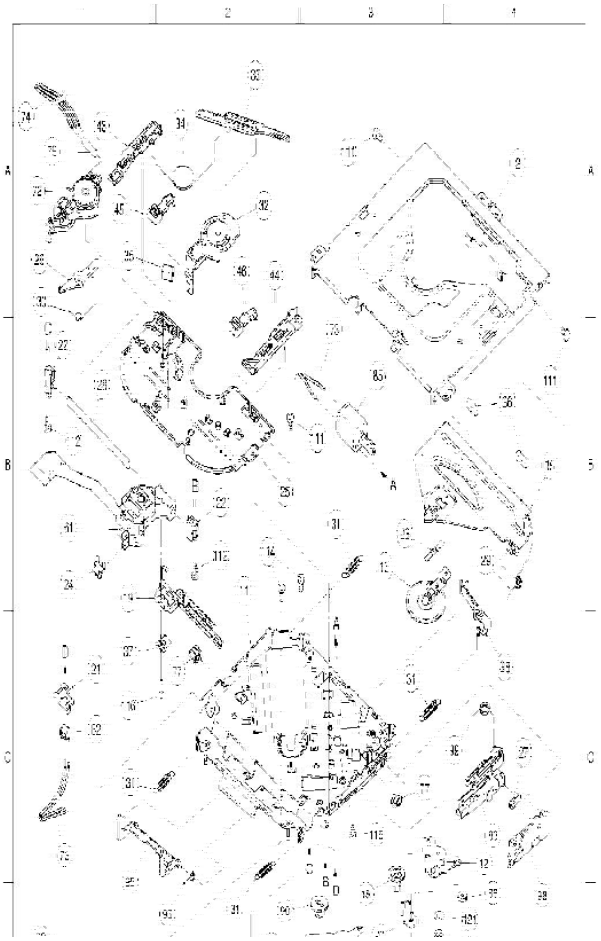
Ref. No.	Part No.	Part Name & Description	Remarks
C407	YESCC452	Ceramic, 1 μ F 16WV	
C408	YESCC453	Ceramic, 0.47 μ F 25WV	
C451	YESCC459	Electrolytic, 47 μ F 6.3WV	
C452	YESCC459	Electrolytic, 47 μ F 6.3WV	
C454	YESCC459	Electrolytic, 47 μ F 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORs			
L101	YESRG241	Chip, 0 Ω 1/8W	
L301	YESRG241	Chip, 0 Ω 1/8W	
L401	YESRG241	Chip, 0 Ω 1/8W	
L403	YESRG241	Chip, 0 Ω 1/8W	
R101	YESRG233	Chip, 47k Ω 1/10W	
R102	YESRG233	Chip, 47k Ω 1/10W	
R103	YESRG233	Chip, 47k Ω 1/10W	
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k Ω 1/10W	
R120	YESRG232	Chip, 4.7k Ω 1/10W	
R121	YESRG232	Chip, 4.7k 1/10W	
R122	YESRG232	Chip, 4.7k 1/10W	
R124	YESRG223	Chip, 10k 1/10W	
R125	YESRG230	Chip, 3.3k 1/10W	
R126	YESRG230	Chip, 3.3k 1/10W	
R128	YESRG228	Chip, 22k 1/10W	
R129	YESRG227	Chip, 2.2k 1/10W	
R130	YESRG221	Chip, 100 1/10W	
R131	YESRG221	Chip, 100 1/10W	
R132	YESRG221	Chip, 100 1/10W	
R134	YESRG223	Chip, 10k 1/10W	
R135	YESRG221	Chip, 100 1/10W	
R136	YESRG226	Chip, 220 1/10W	
R139	YESRG223	Chip, 10k 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 1/16W	
R201	YESRG224	Chip, 100k 1/10W	
R202	YESRG355	Chip, 1M 1/10W	
R203	ERJ3GEY0R00V	Chip, 0 1/16W	
R204	ERJ3GEY0R00V	Chip, 0 1/16W	
R205	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R206	ERJ3GEY0R00V	Chip, 0 1/16W	
R207	YESRG224	Chip, 100k 1/10W	
R208	YESRG224	Chip, 100k 1/10W	
R209	YESRG226	Chip, 220 1/10W	
R210	YESRG224	Chip, 100k 1/10W	
R211	YESRG224	Chip, 100k 1/10W	
R212	YESRG224	Chip, 100k 1/10W	
R213	YESRG224	Chip, 100k 1/10W	
R214	YESRG224	Chip, 100k 1/10W	
R215	YESRG224	Chip, 100k 1/10W	
R217	YESRG237	Chip, 5.6k 1/10W	
R218	YESRG357	Chip, 150k 1/10W	
R219	YESRG233	Chip, 47k 1/10W	
R221	ERJ3GEY0R00V	Chip, 0 1/16W	
R222	YESRG356	Chip, 15k 1/10W	
R223	ERJ3GEY0R00V	Chip, 0 1/16W	
R224	YESRG228	Chip, 22k 1/10W	
R225	ERJ3GEY0R00V	Chip, 0 1/16W	
R226	ERJ3GEY0R00V	Chip, 0 1/16W	
R229	ERJ3GEY0R00V	Chip, 0 1/16W	
R231	YESRG234	Chip, 4.7 1/10W	
R232	YESRG223	Chip, 10k 1/10W	
R233	YESRG228	Chip, 22k 1/10W	
R241	YESRG229	Chip, 330 1/10W	
R242	YESRG233	Chip, 47k 1/10W	
R243	YESRG229	Chip, 330 1/10W	
R244	YESRG233	Chip, 47k 1/10W	
R245	YESRG224	Chip, 100k 1/10W	
R246	ERJ3GEY0R00V	Chip, 0 1/16W	
R247	ERJ3GEY0R00V	Chip, 0 1/16W	
R248	ERJ3GEY0R00V	Chip, 0 1/16W	
R249	ERJ3GEY0R00V	Chip, 0 1/16W	
R250	YESRG229	Chip, 330 1/10W	
R253	YESRG222	Chip, 1k 1/10W	
R254	YESRG222	Chip, 1k 1/10W	
R301	YESRG230	Chip, 3.3k 1/10W	
R302	YESRG227	Chip, 2.2k 1/10W	
R303	ERJ3GEY0R00V	Chip, 0 1/16W	
R304	YESRG230	Chip, 3.3k 1/10W	
R305	YESRG223	Chip, 10k 1/10W	
R306	ERJ3GEY0R00V	Chip, 0 1/16W	
R307	YESRG230	Chip, 3.3k 1/10W	
R308	YESRG227	Chip, 2.2k 1/10W	
R309	ERJ3GEY0R00V	Chip, 0 1/16W	
R310	YESRG230	Chip, 3.3k 1/10W	
R311	YESRG227	Chip, 2.2k 1/10W	
R312	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R314	YESRG356	Chip, 15k Ω 1/10W	
R324	YESRG223	Chip, 10k Ω 1/10W	
R325	YESRG223	Chip, 10k Ω 1/10W	
R326	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
CONNECTORs			
CN101	YESAE409	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALs			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	
MECAHNICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	

Ref. No.	Part No.	Part Name & Description	Remarks
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP469	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

15. EXPLODED VIEW (CD Deck)



16. WIRING DIAGRAM

16.1. Display Block

16.2. Main/Sub Block (Top View)

16.3. Main/Sub Block (Bottom View)

16.4. CD Servo Block (Top View)

16.5. CD Servo Block (Bottom View)

17. SCHEMATIC DIAGRAM-1

17.1. Sub Block

18. SCHEMATIC DIAGRAM-2

18.1. Main-1 Block

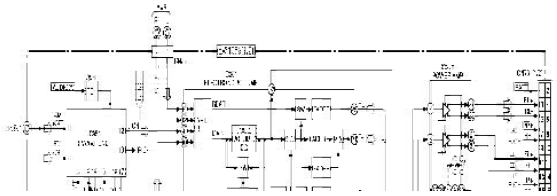
18.2. Main-2 Block

18.3. Display Block

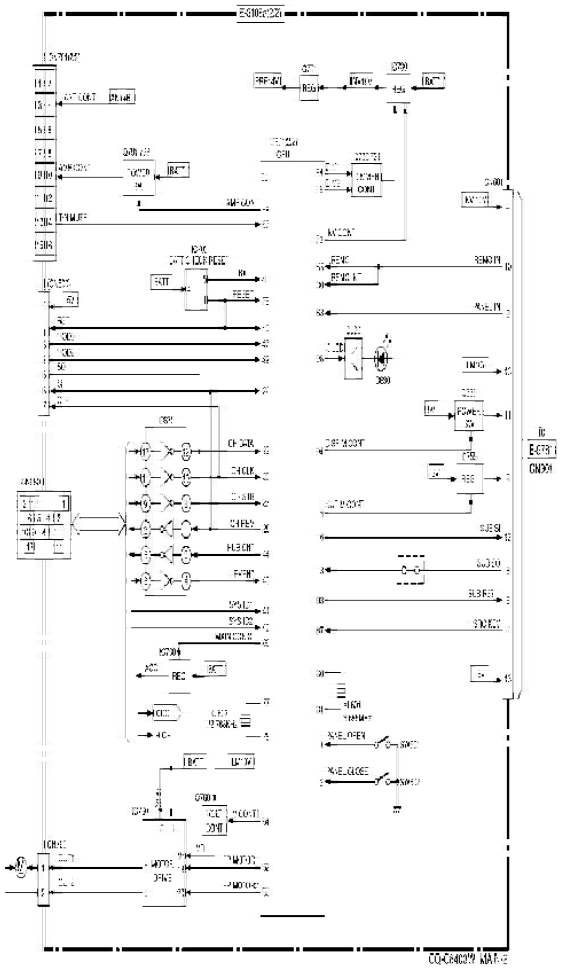
18.4. CD Servo Block

19. BLOCK DIAGRAM

19.1. Main-1/Sub Block

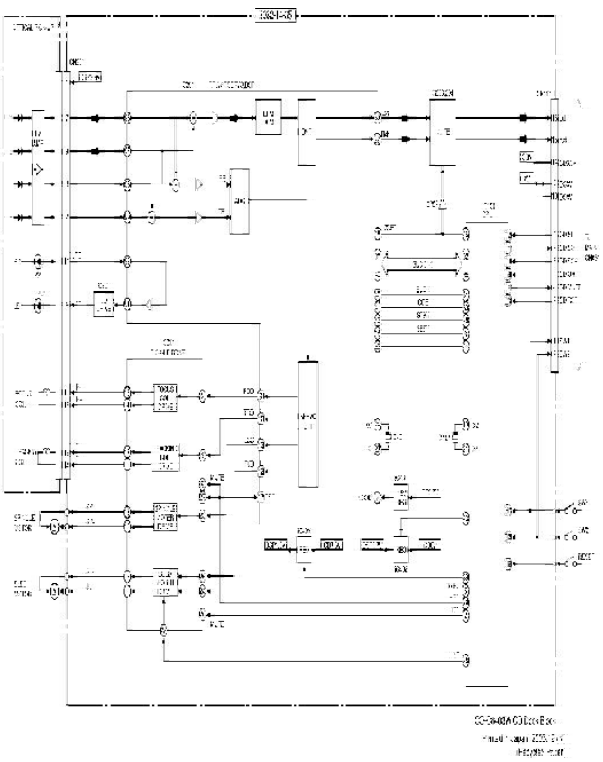


19.2. Main-2 Block



19.3. Display Block

19.4. CD Servo Block



20. SCHEMATIC DIAGRAM for Printing with A4 Size

20.1. Main-1 Block (Left Side)

20.2. Main-1 Block (Right Side)

20.3. Main-2 Block (Left Side)

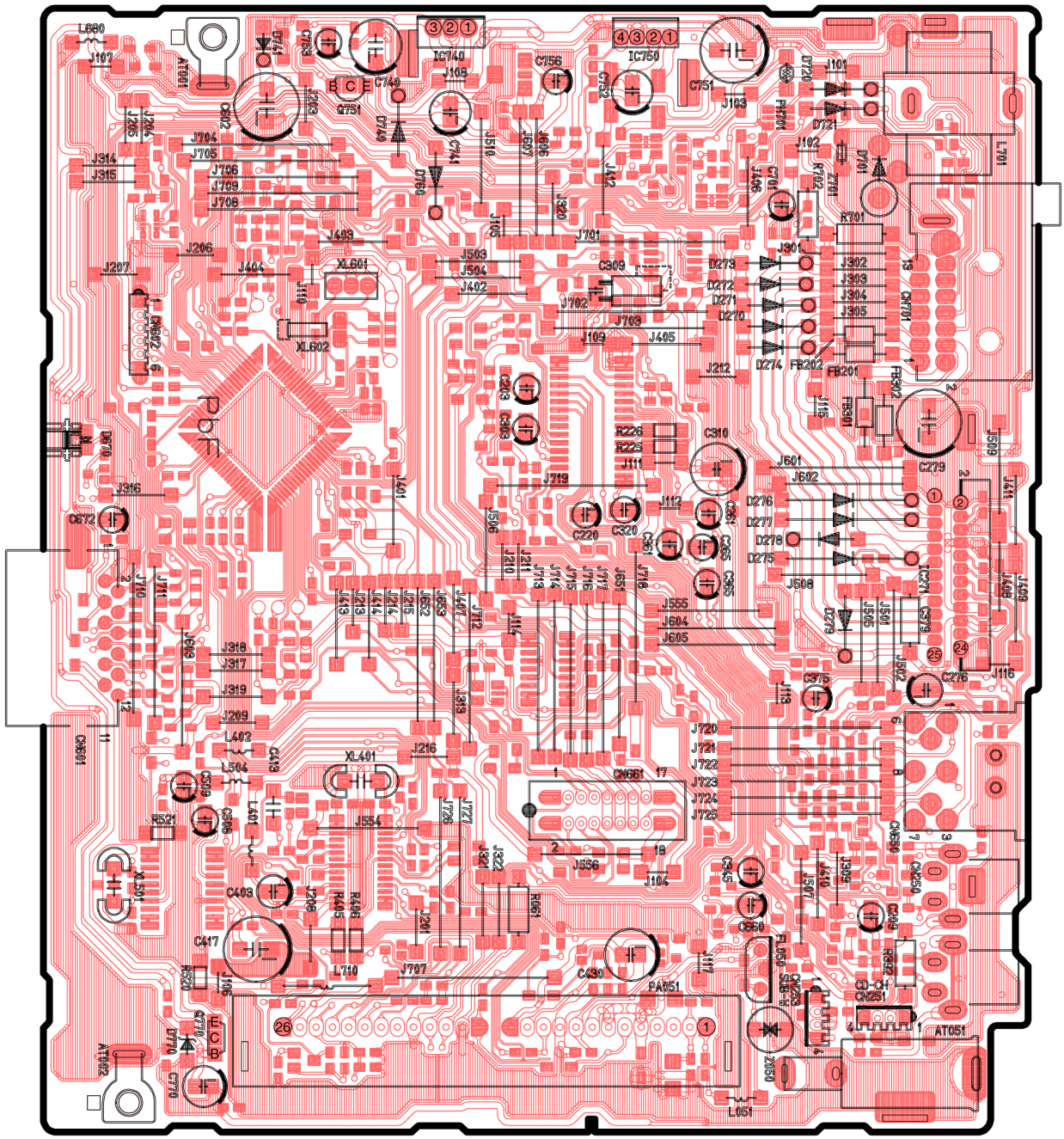
20.4. Main-2 Block (Right Side)

20.5. Display Block (Left Side)

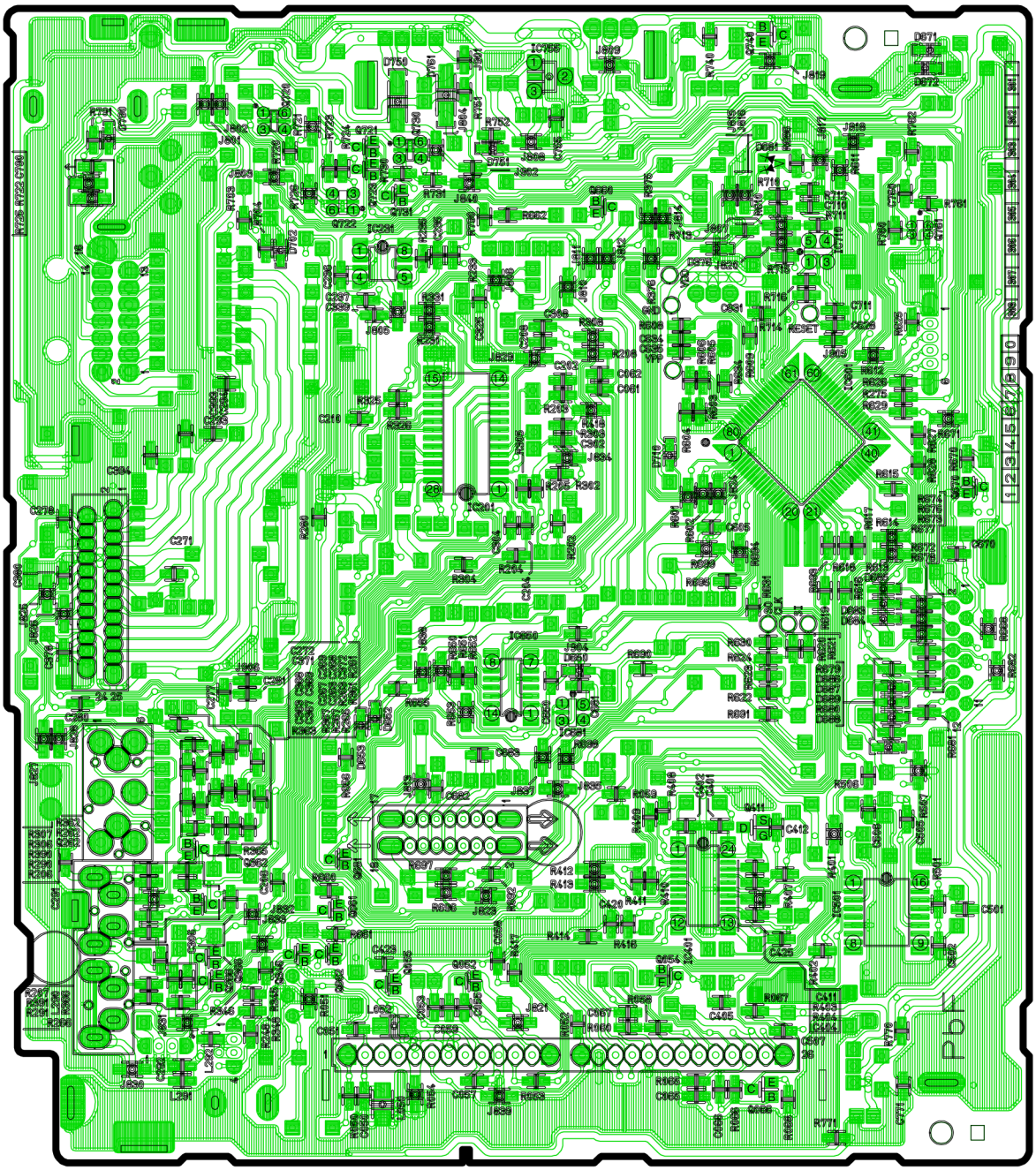
20.6. Display Block (Right Side)

20.7. CD Servo Block (Left Side)

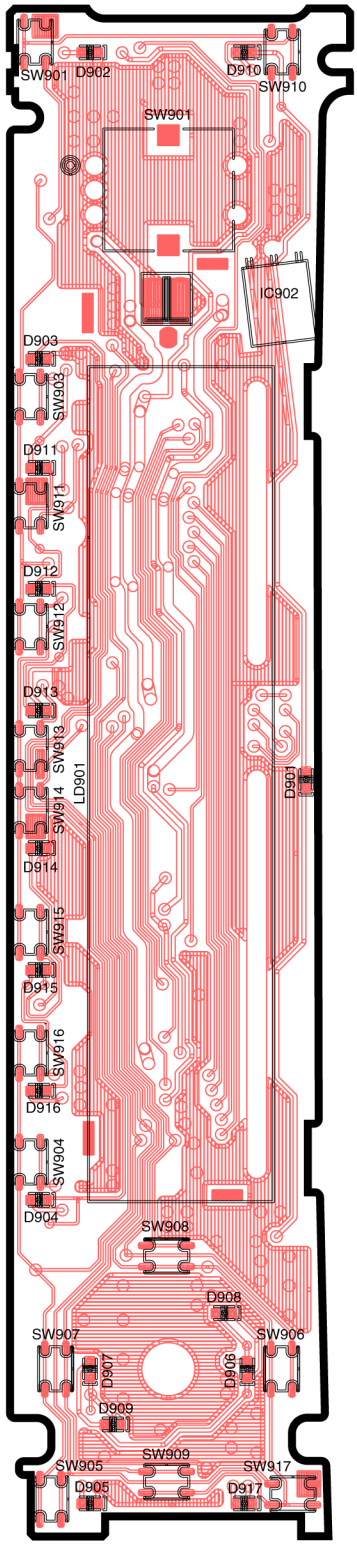
20.8. CD Servo Block (Right Side)



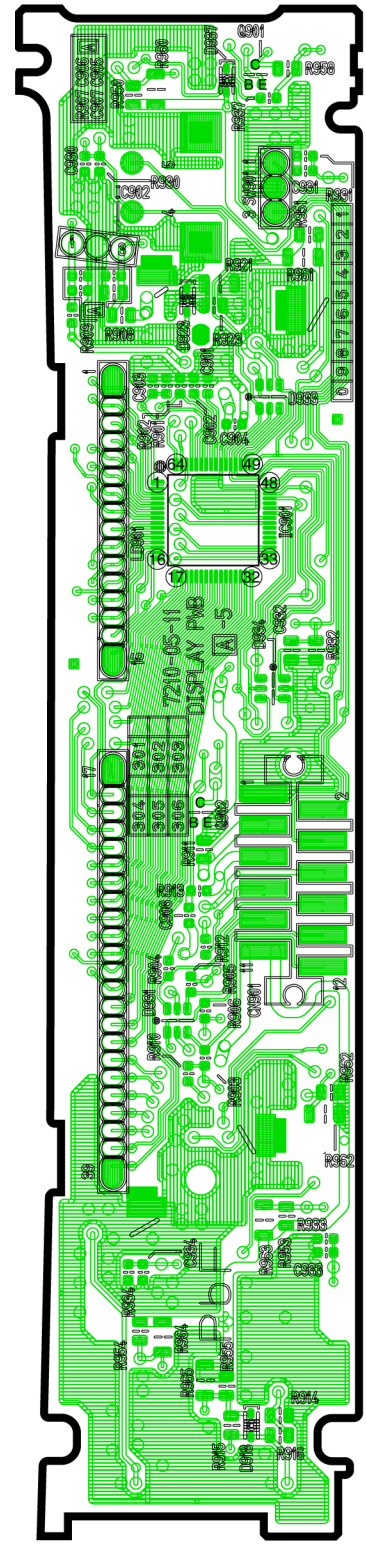
[7210-02-11] [Top View]

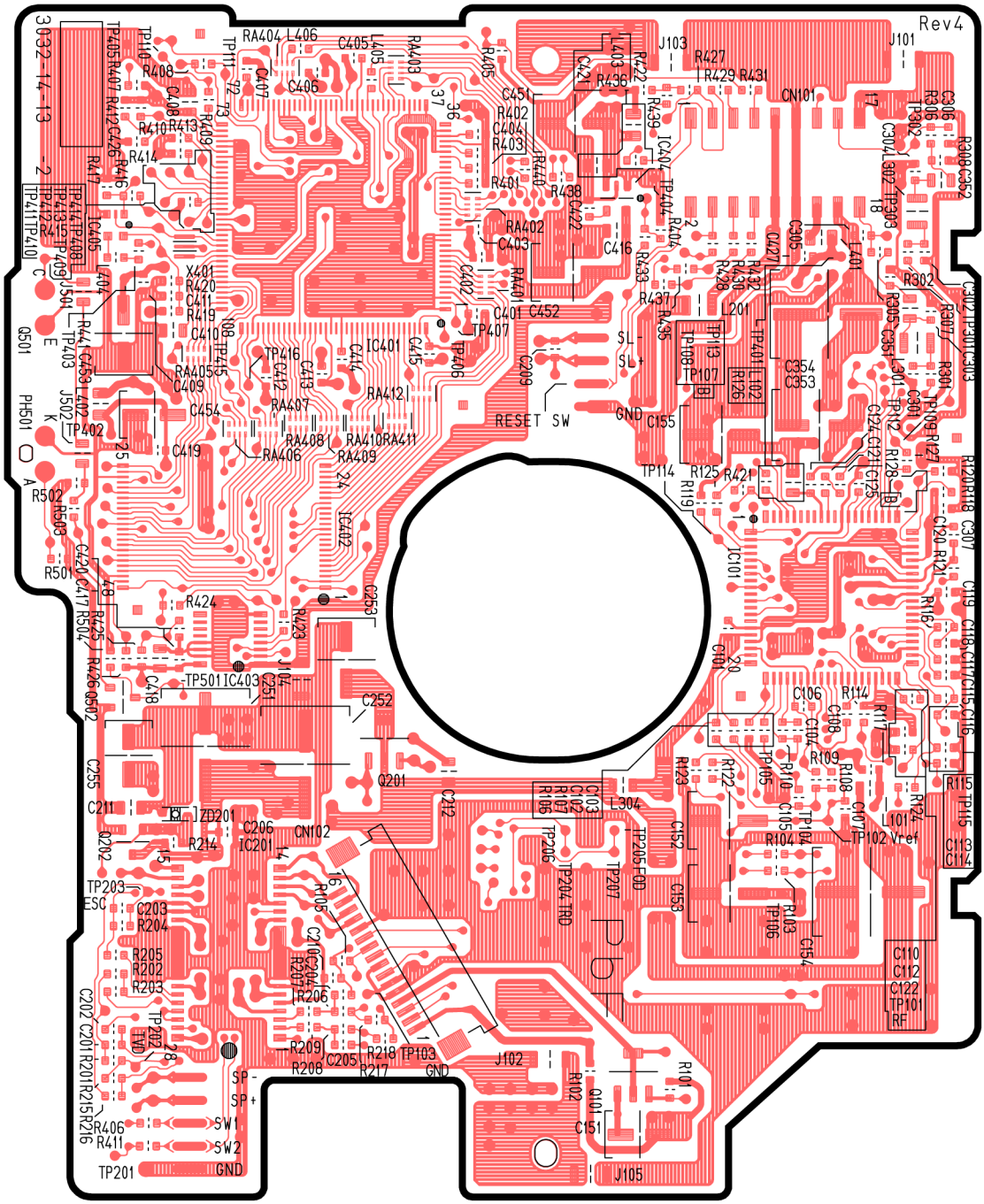


[7210-02-11] [Bottom View]

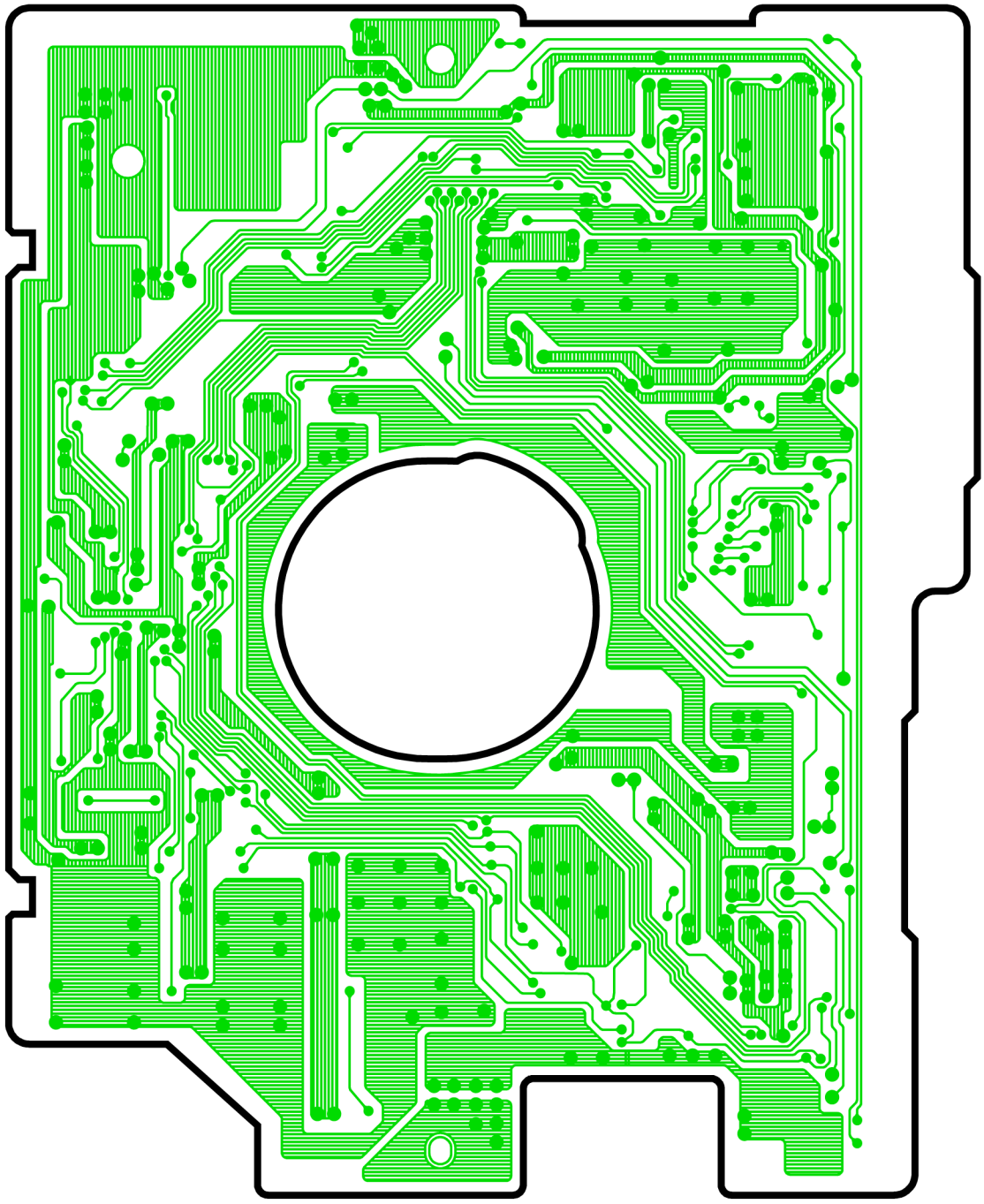


[7210-05-11]
[Top View]





[3032-14-13] [Top View]

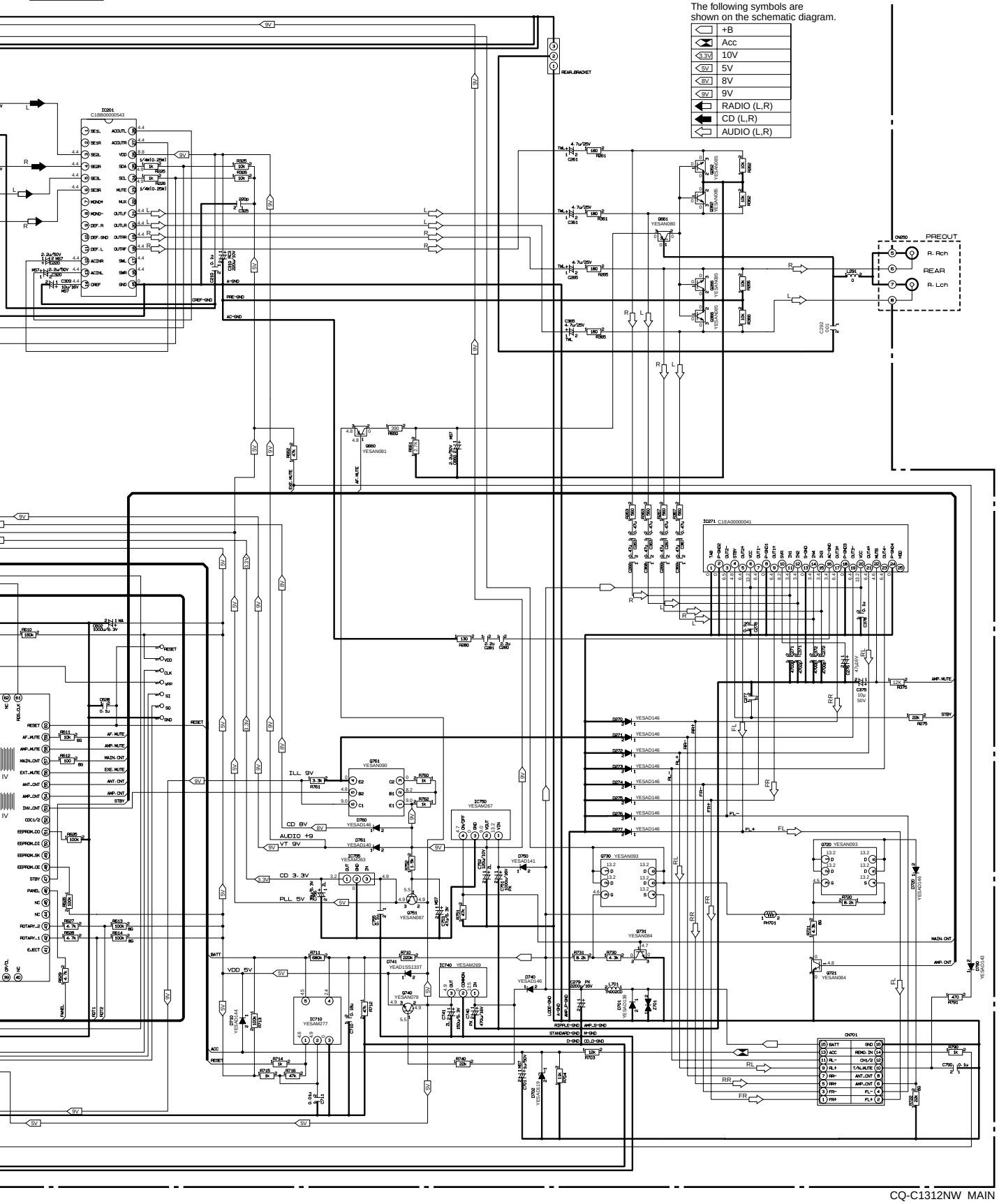


[3032-14-13] [Bottom View]

7210-02-11

The following symbols are shown on the schematic diagram.

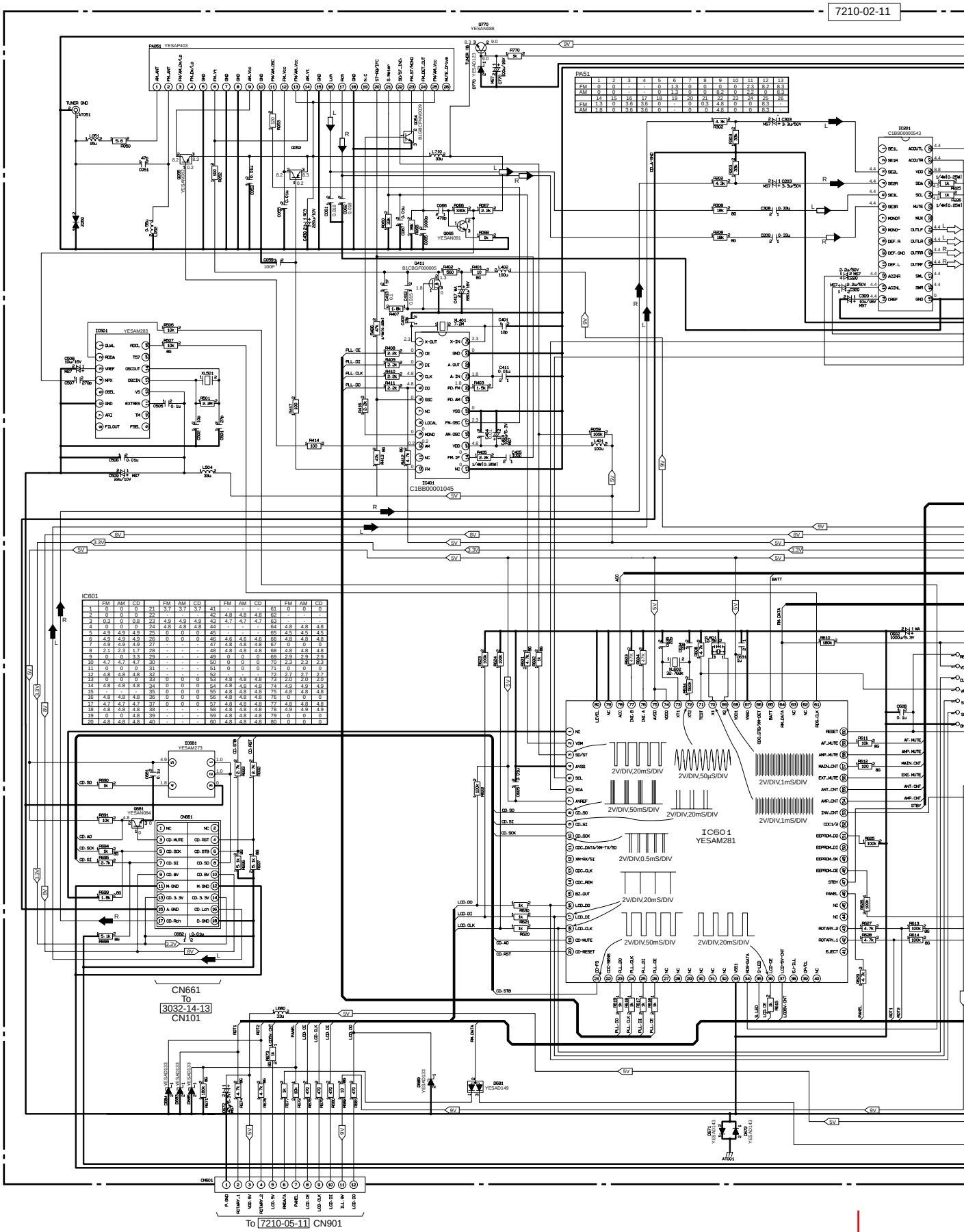
	+B
ACC	Acc
3.3V	10V
5V	5V
8V	8V
9V	9V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)

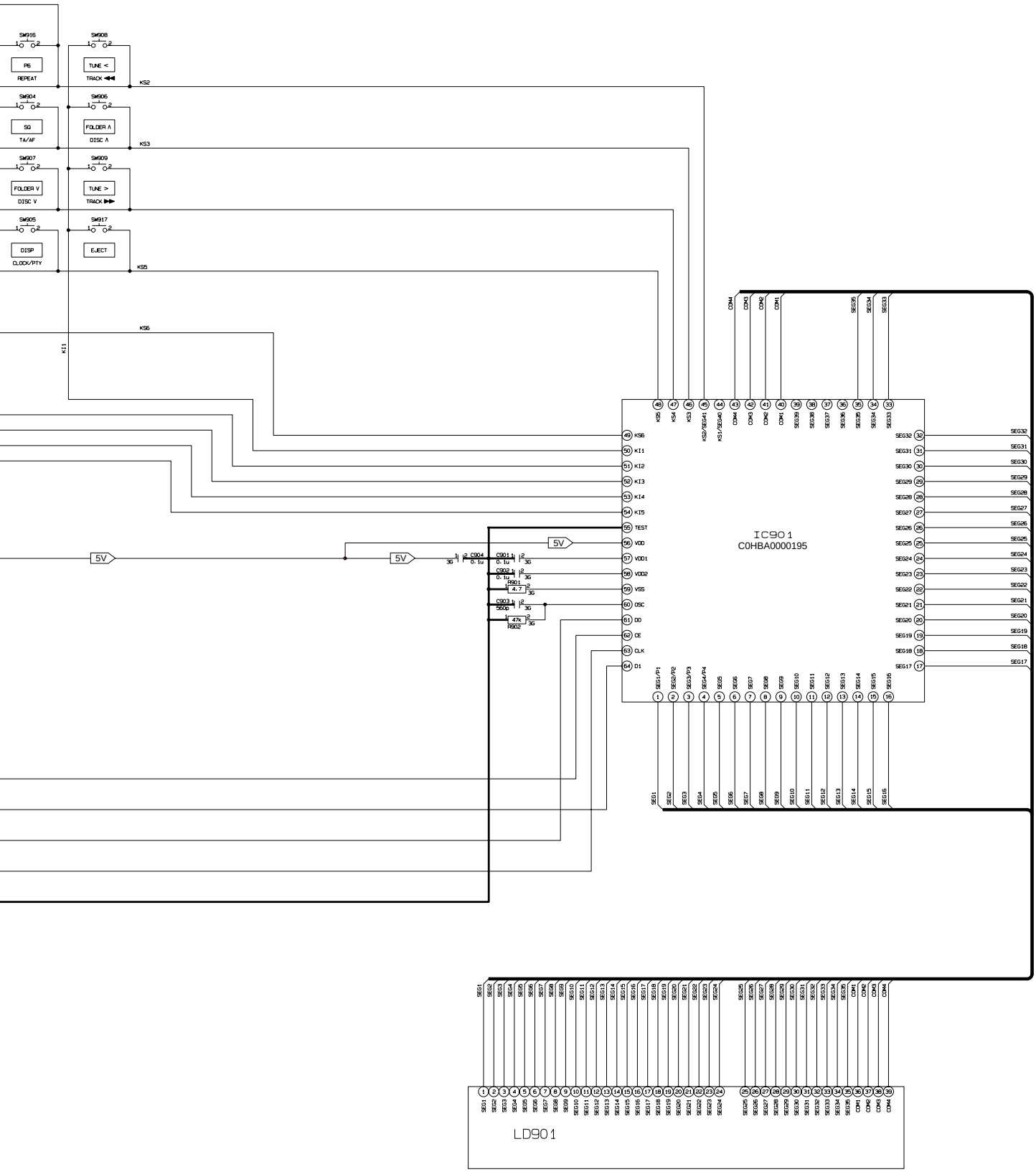


CQ-C1312NW MAIN

16 SCHEMATIC DIAGRAM

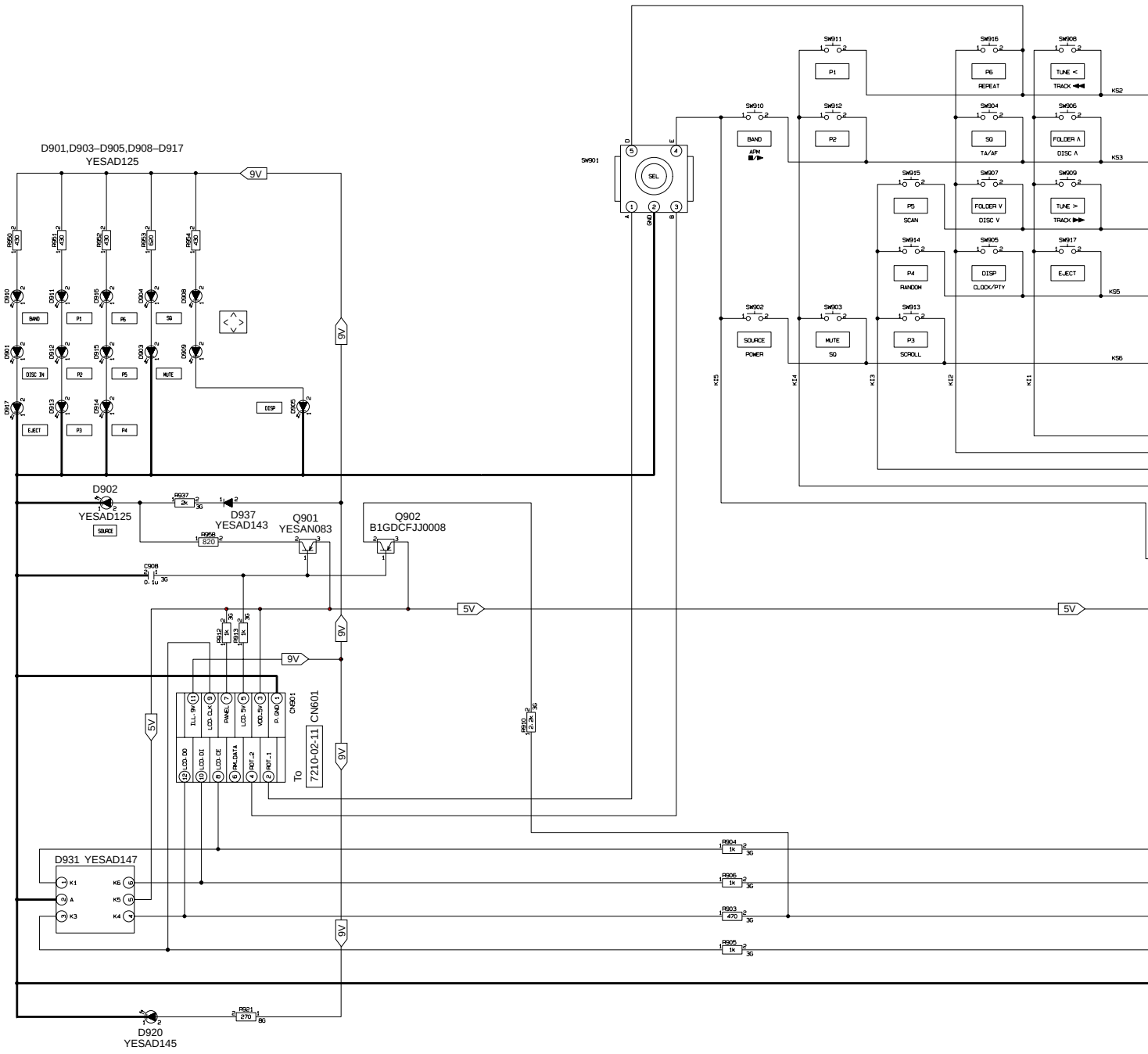
16.1. Main Block




SW916
P6
REPEAT
SW908
TUNE <
TRACK
SW904
SQ
TA/AF
SW906
FOLDER ∧
DISC ∧
SW907
FOLDER ∨
DISC ∨
SW909
TUNE >
TRACK
SW905
DISP
CLOCK/PTY
SW917
EJECT
KS2
KS3
KS5
KS6
KI1
5V
C904
0.1u
C901
0.1u
C902
0.1u
R901
4.7
C903
560p
R902
47k
IC901
C0HBA0000195
KS6
KI1
KI2
KI3
KI4
KI5
TEST
VDD
VDD1
VDD2
VSS
OSC
DO
CE
CLK
DI
KS5/SEG41
KS1/SEG40
SEG1/P1
SEG2/P2
SEG3/P3
SEG4/P4
LD901

16.2. Display Block

7210-05-11

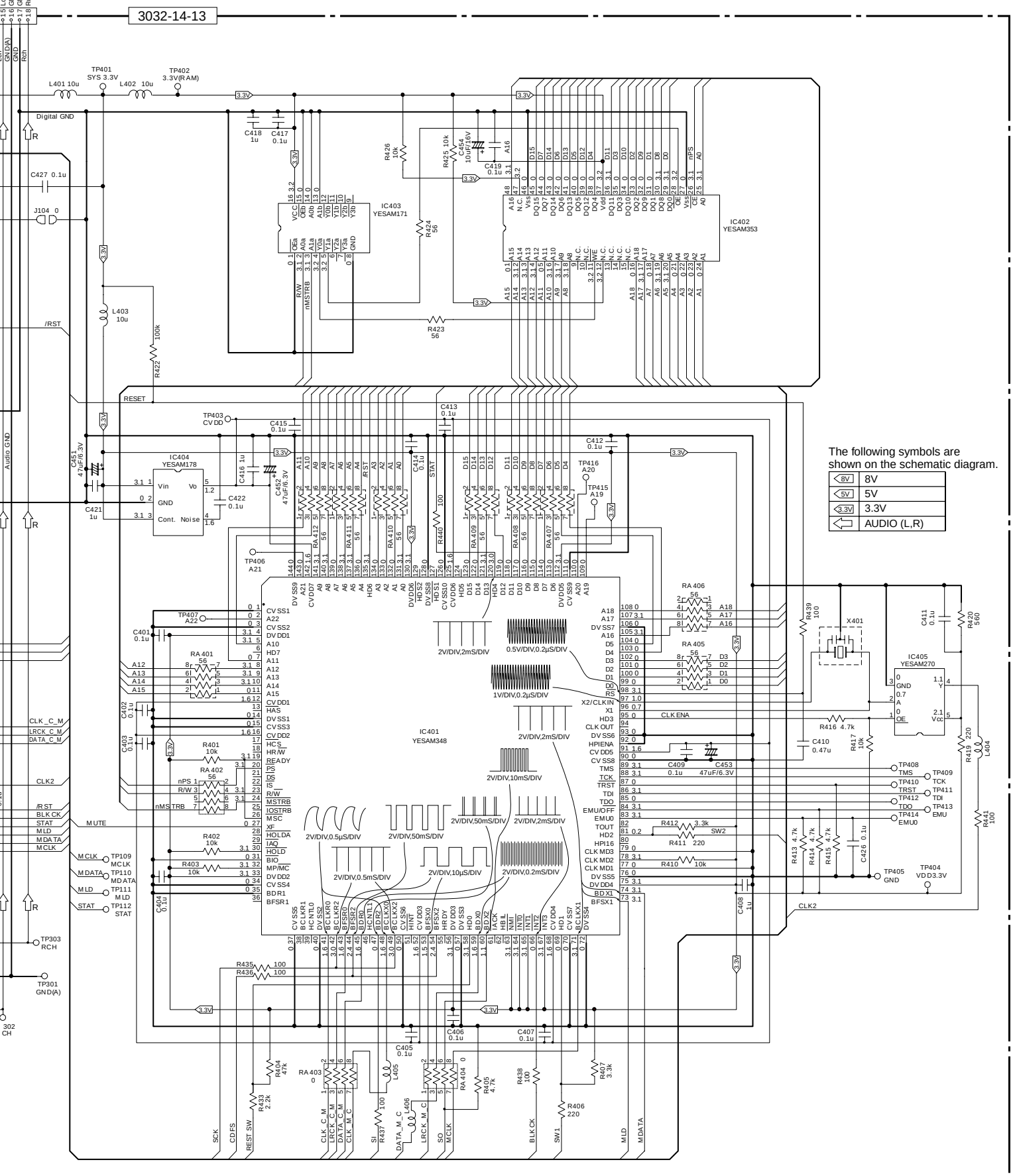


The following symbols are shown on the schematic diagram.

9V	9V
5V	5V

ector

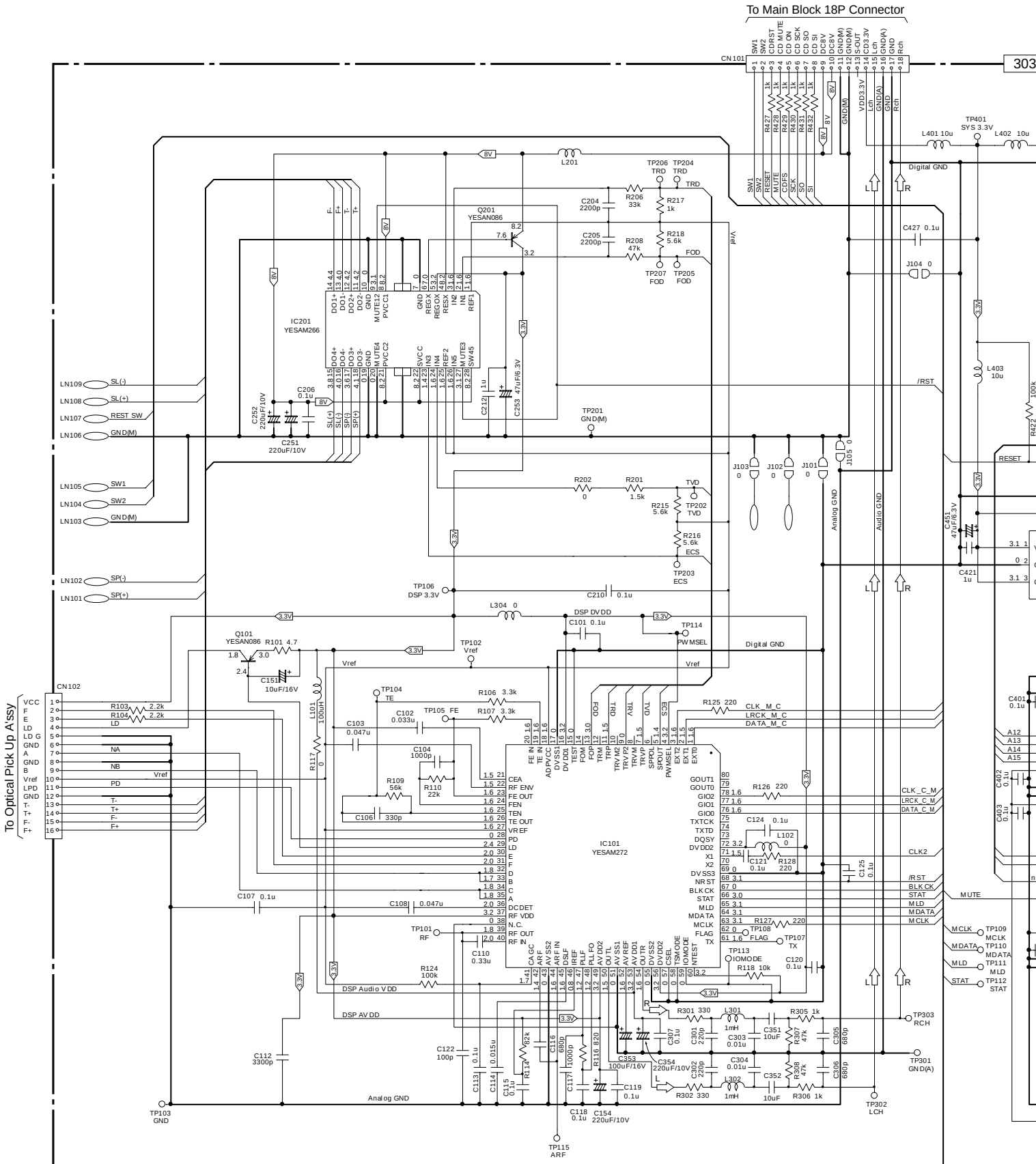
3032-14-13



The following symbols are shown on the schematic diagram.

8V	8V
5V	5V
3.3V	3.3V
	AUDIO (L,R)

16.3. CD Servo Block



The following symbols are shown on the schematic diagram.

	+B
ACC	Acc
3.3V	10V
5V	5V
8V	8V
9V	9V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)

PA51

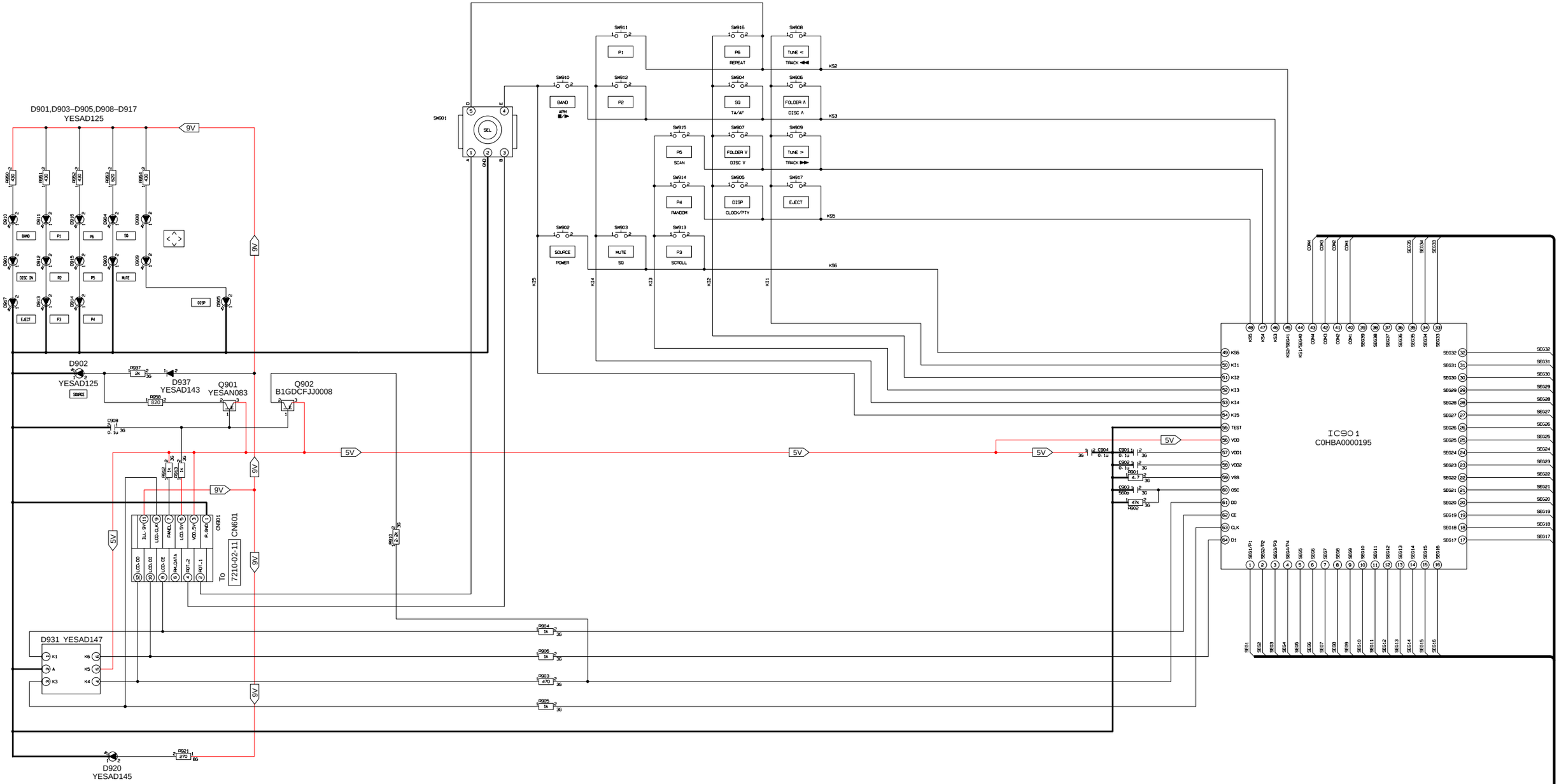
	1	2	3	4	5	6	7	8	9	10	11	12	13
FM	0	0	-	-	0	1.3	0	0	0	0	2.3	8.2	8.3
AM	0	0	-	-	0	1.3	0	0	8.2	0	2.2	0	8.3
	14	15	16	17	18	19	20	21	22	23	24	25	26
FM	1.3	0	3.6	3.6	0	-	0	0.3	4.8	0	0	8.3	-
AM	1.8	0	3.6	3.6	0	-	0	0	4.8	0	0	8.3	-

IC601

	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	0	0	0	21	3.7	3.7	3.7	41	-	-	-	61	0	0	0
2	0	0	0	22	-	-	-	42	4.8	4.8	4.8	62	-	-	-
3	0.3	0	0.8	23	4.9	4.9	4.9	43	4.7	4.7	4.7	63	-	-	-
4	0	0	0	24	4.8	4.8	4.8	44	-	-	-	64	4.8	4.8	4.8
5	4.9	4.9	4.9	25	0	0	0	45	-	-	-	65	4.5	4.5	4.5
6	4.9	4.9	4.9	26	0	0	0	46	4.6	4.6	4.6	66	4.8	4.8	4.8
7	4.9	4.9	4.9	27	-	-	-	47	4.8	4.8	4.8	67	0	0	0
8	2.1	2.3	1.7	28	-	-	-	48	4.8	4.8	4.8	68	4.8	4.8	4.8
9	0	0	3.3	29	-	-	-	49	0	0	0	69	2.9	2.9	2.9
10	4.7	4.7	4.7	30	-	-	-	50	0	0	0	70	2.3	2.3	2.3
11	0	0	0	31	-	-	-	51	0	0	0	71	0	0	0
12	4.8	4.8	4.8	32	-	-	-	52	-	-	-	72	2.7	2.7	2.7
13	0	0	0	33	0	0	0	53	4.8	4.8	4.8	73	2.0	2.0	2.0
14	4.8	4.8	4.8	34	0	0	0	54	4.8	4.8	4.8	74	4.9	4.9	4.9
15	-	-	-	35	0	0	0	55	4.8	4.8	4.8	75	4.8	4.8	4.8
16	4.8	4.8	4.8	36	0	0	0	56	4.8	4.8	4.8	76	0	0	0
17	4.7	4.7	4.7	37	0	0	0	57	4.8	4.8	4.8	77	4.8	4.8	4.8
18	4.8	4.8	4.8	38	-	-	-	58	4.8	4.8	4.8	78	4.9	4.9	4.9
19	0	0	4.8	39	-	-	-	59	4.8	4.8	4.8	79	0	0	0
20	4.8	4.8	4.8	40	-	-	-	60	4.8	4.8	4.8	80	0	0	0

CN661 To 3032-14-13 CN101

To 7210-05-11 CN901



The following symbols are shown on the schematic diagram.

◇9V	9V
◇5V	5V

3032-14-13

To Main Block 18P Connector

CN101

To Optical Pick Up A'ssy

CN102

IC101 YESAM272

IC201 YESAM266

IC402 YESAM353

IC403 YESAM171

IC404 YESAM178

IC405 YESAM270

IC401 YESAM348

Q101 YESAN086

Q201 YESAN086

L201

L401 10u

L402 10u

L403 10u

L101 100uH

L102 0

L301 1mH

L302 1mH

L304 0

L405

L406

TP401 SYS 3.3V

TP402 3.3V(RAM)

TP403 CVDD

TP404 VD D3.3V

TP405 GND

TP406 A21

TP407 A22

TP408 TMS

TP409 TCK

TP410 TRST

TP411 TDI

TP412 TDO

TP413 EMU

TP414 EMU0

TP415 A19

TP416 A20

TP101 RF

TP102 Vref

TP103 GND

TP104 TE

TP105 FE

TP106 DSP 3.3V

TP107 TX

TP108 FLAG

TP109 MCLK

TP110 MDATA

TP111 MLD

TP112 STAT

TP114 PWMSEL

TP115 ARF

TP201 GND(M)

TP202 TVD

TP203 ECS

TP204 TRD

TP205 FOD

TP206 TRD

TP207 FOD

TP301 GND(A)

TP302 LCH

TP303 RCH

LN101 SP(+)

LN102 SP(-)

LN103 GND(M)

LN104 SW2

LN105 SW1

LN106 GND(M)

LN107 REST SW

LN108 SL(+)

LN109 SL(-)

VCC

F

E

LD

LD G

GND

A

GND

B

Vref

LPD

GND

T-

T+

F-

F+

NA

NB

Vref

PD

T-

T+

F-

F+

Digital GND

Analog GND

Audio GND

DSP AV DD

DSP Audio VDD

DSP DVDD

CVDD

Vref

/RST

RESET

MUTE

MCLK

MDATA

MLD

STAT

CLK2

CLK_C_M

LRCK_C_M

DATA_C_M

SCK

CD FS

REST SW

SI

SO

MCLK

BLK CK

SW1

MLD

MDATA

CLK ENA

The following symbols are shown on the schematic diagram.

8V	8V
5V	5V
3.3V	3.3V
	AUDIO (L,R)

CQ-C1312NW CD DECK